

TO

JOURNAL

OF THE

AMERICAN WATER WORKS ASSOCIATION

VOL. 2

JUNE, 1915

NO. 2

CONSTITUTION

AND

LIST OF MEMBERS

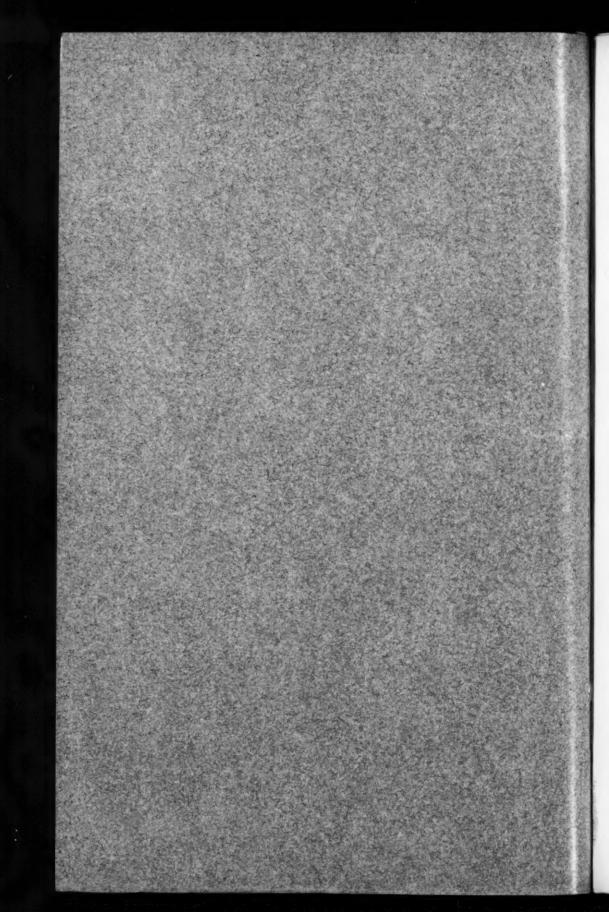
JUNE, 1915

IMPORTANT

Kindly notify the secretary promptly of any change in address

J. M. DIVEN, Secretary

W. State St., Troy, N. Y.



CONSTITUTION OF THE AMERICAN WATER WORKS ASSOCIATION

Adopted June 12, 1913 Amended May 12, 1914 Amended May 12, 1915

ARTICLE I

NAME

The name of this Association, a corporation organized under the laws of the State of Illinois, shall be "The American Water Works Association."

ARTICLE II

OBJECT

The object of this Association shall be the advancement of knowledge of the design, construction, operation and management of water works, and the encouragement, by social intercourse among its members, of a friendly exchange of information and experience.

ARTICLE III

MEMBERSHIP

Section 1. Members of this Association may be either Honorary Members, Active Members, Corporate Members, or Associate Members.

Section 2. An Honorary Member shall be one whose scientific or practical knowledge in matters related to public water supply, or whose accomplishments in that field of endeavor, shall entitle him to especial recognition by the Association. Honorary Members shall have the same privileges as Active Members, but shall not be required to make any payments for the support of the Association.

Section 3. An Active Member shall be either a Superintendent, Manager or other officer of a municipal or private water works; a civil, mechanical, hydraulic or sanitary engineer, a chemist, or bacteriologist; or he shall be otherwise qualified for and actually engaged in the advancement of knowledge relating to public water supply.

Section 4. A Corporate Member shall be either a Water Board or Commission, or a Water Company, and shall be entitled to one representative who shall have all the rights and privileges of an Active Member.

Section 5. An Associate Member shall be either a person, firm or corporation, engaged in manufacturing or furnishing materials or supplies for the construction or maintenance of water works. An Associate Membership shall entitle the holder to be represented by one person on the floor at each meeting but such representative shall not be entitled to vote or take part in any discussion unless permission is given by unanimous consent of the members present; provided, however, that Associate Members may vote on selection of the place of meeting as provided in Article 9, Section 1, each Associate membership being entitled to one vote only.

Section 6. When an Active Member so changes his vocation that were he to apply for membership he would be classed as an Associate Member, he may continue as an Active Member with all the privileges of that grade, except that he shall not be eligible to any elective office in the Association.

ARTICLE IV

ADMISSION AND EXPULSION

Section 1. The Executive Committee may, at its discretion, at the request of any member, present the name of any person qualified for Honorary Membership, to the Association for election to that grade of membership; but the Executive Committee must, upon the written request of twenty-five members, so present the name of any such person to the Association.

Section 2. Any person, firm, corporation or water department desiring to become an Active, Corporate or Associate Member must make application for the grade of membership sought, upon the blank form provided by the Association. Each application must be endorsed by two members of the Association, shall embody a concise statement of the applicant's qualifications for membership and be accompanied by the initiation fees and dues as hereinafter provided. All applications must be forwarded to the Secretary

who shall submit them to the Membership Committee, as soon as possible.

A majority affirmative vote of the Membership Committee shall elect to Active, Corporate or Associate Membership subject to review by the Executive Committee.

Section 3. No member whose dues are in arrears shall receive the publications of the Association until such dues are paid. Members in arrears for one year shall be dropped from the roll by the Secretary.

Section 4. Any member who has been suspended for non-payment of dues may be reinstated by the Membership Committee upon payment of all back dues. He shall then be entitled to receive such back numbers of the publications of the Association as may have been withheld from him on account of non-payment of dues, and are not out of print.

Section 5. Any member of any grade may be expelled from the Association for cause, upon the recommendation of the Membership Committee, adopted by a two-thirds vote of the members present and voting at any annual convention.

Section 6. Any member may retire from membership by giving written notice to that effect to the Secretary, provided that he pay all dues to that date, unless released from said payment by the Executive Committee.

ARTICLE V

FEES AND DUES

Section 1. Each Active Member shall pay an initiation fee of Five Dollars, and annual dues of Five Dollars.

Section 2. Each Corporate Member shall pay an initiation fee of Ten Dollars, and annual dues of Five Dollars.

Section 3. Each Associate Member shall pay an initiation fee of Ten Dollars, and annual dues of Ten Dollars.

Section 4. The fiscal year of the Association shall begin April 1st and terminate on March 31st. Annual dues shall be payable in advance and shall be due on April 1st, the first day of the fiscal year covered by said dues. It shall be the duty of the Secretary to notify each member on or before March 15th of the amount due from said member for the ensuing year.

SECTION 5. Any newly elected member shall be entitled to all

the publications of the Association that are distributed to its members during the year. Members elected later than December 1st shall not be required to pay the annual dues for the current year, but if they do pay said annual dues they shall receive all the publications to which members in good standing are entitled for that year.

Section 6. In case any application for membership shall be rejected the initiation fee and dues which accompanied the application shall be returned to the applicant.

Section 7. Any Active Member in good standing in any Interstate, State or Local Association formed for the same general purpose as this Association, and which has been approved as such by the Executive Committee of this Association, who may apply for Active or Corporate Membership, may be admitted by the Membership Committee without the payment of the regular initiation fee; provided he shall furnish evidence that he has paid, during, his membership in such Interstate, State or Local Association, in fees and dues, an amount equal to or exceeding the initiation fee required in this Association and is at the time of making application for membership in this Association, an Active Member in good standing in said Interstate, State or Local Association.

ARTICLE VI

OFFICERS

Section 1. The Officers of the Association shall be a President, one Vice-President, Treasurer, Secretary, and Editor of the Association's publications. The offices of the Secretary and Editor may be combined at the discretion of the Executive Committee.

Section 2. There shall be an Executive Committee in whom the government of the Association shall be vested. It shall consist of the President, Vice-President, Treasurer, Secretary, Editor, the Chairman of the Finance Committee, the last two living past presidents and six trustees. No two trustees shall be residents of the same state. The President and the Secretary of the Association shall be the President and the Secretary of the Executive Committee.

Section 3. On the third day of each annual convention, or on a day to be designated by the Executive Committee, the Convention

shall elect a Nominating Committee, whose duty it shall be to suggest nominations for the officers of the Association for which the Constitution provides there shall be a letter ballot of the membership. Said Nominating Committee shall consist of five Active, Honorary or Corporate members, representing the following territorial distribution of the membership, to wit:

(1) The New England States, (2) The Middle States, (3) The Southern States, (4) The Central States, (5) The remainder of the United States, and all territory outside of the United States. The nomination for members of the Nominating Committee shall be made on the floor of the Convention, first by placing in nomination an Active, Honorary or Corporate member to represent the above geographical subdivisions who may be selected by the Active, Honorary or Corporate members from said geographical subdivision in attendance at the Convention, and if such nomination is not so made, a nominee, representing any geographical subdivision failing to so submit a name, shall be made from the floor of the Convention. The member of such Nominating Committee whose membership in the Association is the oldest shall be Chairman.

The Nominating Committee, so elected by the Convention, shall cause to be mailed to the membership, within six months after the Convention at which they are elected, a list of the nominees for the respective officers of the Association, for which the Constitution provides there shall be a letter ballot of the membership. Up to within three months of the time of holding the next Annual Convention, additional nominations may be made by request of the Secretary, signed by at least twenty-five Active, Honorary or Corporate members, and upon the receipt of such request, the Secretary shall add such additional nominees to the final ballot to be prepared by him. The nominees of the Nominating Committee shall head such final ballot for each office, and any additional nominees for the respective offices shall be placed under the nominees of the Committee in alphabetical order.

Section 4. Election shall be by letter ballot. At least two months before the date of the Annual Meeting, a ticket shall be mailed to each member of the Association entitled to vote.

Section 5. Before the close of each Annual Convention, the Executive Committee elected to serve during the year ensuing, shall organize and elect a Secretary and an Editor, to serve until the close of the next Annual Convention, or until their successors are chosen.

Section 6. In case of the absence, death or inability of the President to perform the duties of his office, his position shall be temporarily filled by the Vice-President, and in case of the absence, death or inability of the Vice-President, his position shall be filled by one of the Trustees; the order of precedence being governed by the date of election as Trustee or the dates of the election being the same, by the date of admission of such Trustee to membership in the Association.

Section 7. All vacancies in office except as provided in Section 6 hereof shall be filled by vote of the Executive Committee for the unexpired term of said office as soon as practicable after said vacancy occurs.

Section 8. The President, Vice-President, and Trustees shall be ineligible to election for a consecutive term.

ARTICLE VII

DUTIES OF OFFICERS

Section 1. The President shall have general supervision of the affairs of the Association, and shall preside at all meetings of the Association and of the Executive Committee at which he may be present.

Section 2. The Executive Committee shall be the legal representative of the Association and as such shall have full control of the management of the affairs of the Association, subject to the control of the Association in regular convention; it shall make the necessary arrangements for the convention and shall have power to expend the funds of the Association or to invest the same, but must not incur indebtedness beyond the funds in the hands of the Treasurer and Secretary. The Executive Committee shall have power to prepare and enforce, for the conduct of the business of the Association, by-laws not in conflict with this Constitution. It shall hold an annual meeting at least one hour before the opening session of each annual convention. Other meetings shall be held at the call of the President or of any three members of the Executive Committee.

All questions in the Executive Committee shall be decided by a majority vote and seven members shall constitute a quorum. The Executive Committee may vote by letter upon questions submitted by the President and Secretary.

Section 3. The Treasurer shall have charge of the funds of the Association, shall pay bills against the Association on order of the Finance Committee certified by the Secretary and shall make a report of the expenditures and of the funds of the Association at the annual convention.

Section 4. The Secretary shall be an Active Member of the Association. It shall be his duty to attend all conventions and meetings of the Association and of the Executive Committee; prepare the business and duly record the proceedings thereof. He shall see that all moneys due the Association are carefully collected, and shall promptly pay the same to the Treasurer. He shall personally certify the accuracy of all bills or vouchers to the Finance Committee.

He shall, at the annual convention, make a report of the receipts and of the condition and affairs of the Association.

He shall conduct the correspondence of the Association and keep a full record of the same.

Section 5. The Editor shall have charge of the printing and distribution to all the members, of the Proceedings and Transactions of the Association and shall perform such other duties as are assigned to him by the Executive Committee.

The publications of the Association shall be copyrighted so far as is practicable and proper.

ARTICLE VIII

COMMITTEES

Section 1. There shall be three standing Committees, the Finance Committee, the Membership Committee and the Publication Committee. The members of each shall be appointed by the incoming Executive Committee at the time of the Annual Convention. They shall serve for one year beginning with the close of the last day of the annual meeting or until their successors shall have been chosen. Additional Committees may be appointed at any time by the President on authority of the Association.

Section 2. The Finance Committee, which shall consist of three active members, shall audit and approve all bills before they shall be paid by the Treasurer. It shall examine the books of the Secretary and of the Treasurer annually or oftener, and shall audit the same and report upon the same to the Executive Com-

mittee. This Committee shall also have general supervision of the finances of the Association, making such reports thereon to the Executive Committee as the exigencies of the case may require or as directed by the Executive Committee or by the Association at its annual meeting.

Section 3. The Membership Committee, which shall consist of three members, shall examine the qualifications of and vote upon all applicants for membership nominated in due form, and report its action to the Secretary.

Section 4. The Publication Committee, which shall consist of five members, one of whom shall be the Editor, shall have control of the publications of the Association and shall see that all publications and papers are edited before publication and, whenever possible, before presentation.

The committee may call to its aid members of the Association or others who have had special experience in the subject treated, to advise in regard to any paper, or to discuss the same, and may return any paper to its author for correction or amendment.

No papers containing matter either readily found elsewhere, especially advocating personal interests, carelessly prepared, purely speculative, or foreign to the purpose of the Association shall be accepted. The Committee shall prepare rules which, when approved by the Executive Committee, shall govern the preparation, presentation and publication of all papers and such other matters of similar nature as the best interests of the Association may require.

ARTICLE IX

MEETINGS

SECTION 1. The Annual Convention of the Association shall open on such Tuesday as the Executive Committee may designate, at nine o'clock, a. m., and at such place as shall be designated by the Association at the previous convention, the selection to be by ballot. The place receiving a majority of all votes cast shall be selected as the place of meeting. All members shall be entitled to vote.

Section 2. The Executive Committee shall have power to change the place of meeting as in its judgment the interests of the Association may demand.

Section 3. The date of the Annual Convention shall be fixed by the Executive Committee not less than seventy days in advance

of the meeting, and such date shall be printed on all ballots for the nomination or election of officers.

ARTICLE X

SECTIONS

Section 1. Local Sections may be established by the Executive Committee on receipt of a written request to that effect signed by twenty Active or Corporate Members of the Association, residing in territory within which the Local Section is desired.

Section 2. National Sections consisting of Engineers, Superintendents, Chemists and Bacteriologists, Accountants or other classes of persons included in the membership of the Association, may be established by the Executive Committee on the request of thirty members. Any member of the Association may register in any National Section of the Association in which he is interested.

Section 3. Such sections shall choose their own officers and committees and may make any rules for their government not inconsistent with the constitution and by-laws of the Association, but these rules must first be approved by the Executive Committee.

Section 4. Each Local Section may receive from the Treasurer of the Association, for local use, not more than twenty-five per cent of the annual dues paid to the Association by the members of said Local Section. The Treasurer of said Local Section shall forward to the Secretary of the Association his application indorsed by the presiding officer of the Section for such portions of said sum as may be needed; and upon receipt of such application the Secretary shall request the Finance Committee to authorize the Treasurer of the Association to pay such sums to the Treasurer of the Local Section. Said sum may be used by the Local Section only in payment of necessary operating expenses incurred by the section, such as printing, stationery, postage, rent and care of room, light, fuel, etc. At the end of each fiscal year the Treasurer of each Local Section shall certify to the Secretary of the Association the balance on hand of the funds received from the Association. This balance shall be returned to the Association or shall be charged to the Local Section as a portion of its quota for the following year. No Local Section shall be entitled to draw upon the Association until such certification has been made, and its accounts audited by the Finance Committee.

Section 5. The presiding officer of each section shall be an Honorary Vice-President of the Association.

Section 6. Any section may be dissolved by the Executive Committee for good and sufficient reasons.

ARTICLE XI

GENERAL

Section 1. Any member may, with the concurrence of the presiding officer, admit friends to the meetings of the Association, but such persons shall not take part in the discussions without the consent of the convention; and the privilege of the floor can only be granted to a non-member by unanimous consent.

Section 2. The Secretary shall send notice to all members of the Association at least fifteen days before the annual convention, giving the titles of papers to be read and mentioning any special business to be considered at said convention.

ARTICLE XII

AMENDMENTS

SECTION 1. All proposed amendments to the Constitution shall be submitted in writing to the Executive Committee which at its discretion may bring them before the next Annual Convention of the Association, but the Executive Committee must do so on the request in writing of five members of the Association.

Section 2. To pass an amendment to the Constitution, an affirmative vote of two-thirds of the members present and voting at said convention shall be required.

LIST OF MEMBERS

JUNE 1, 1915

HONORARY MEMBERS DATE OF ADMISSION April 18, 1888 BEMENT, R. B. C. St. Paul, Minn. Cameron, W. L. 2415 Avenue K, Galveston, Tex. March 29, 1881 July 14, 1887 CAULFIELD, JOHN Secretary Water Works, St. Paul, Minn. March 29, 1881 HOLLY, IRA A. 88 Button Street, New Haven, Conn. HOLMAN, M. L. March 29, 1881 1324 Chemical Building, St. Louis, Mo. June 26, 1886 LECONTE, L. J. Civil and Consulting Engineer, 2501 Piedmont Avenue, Berkeley, Cal. July 14, 1887 NAKAJIMA, Y. Imperial University, Tokyo, Japan. ACTIVE MEMBERS June 4, 1912 Аввотт, G. H. Treasurer and Superintendent Southbridge Water Supply Company, Southbridge, Mass. June 24, 1913 ACKERMAN, J. WALTER Superintendent Water Board, Auburn, N. Y. June 4, 1912 Adams, Alton D. Public Service Engineer, Natick, Mass. ADAMS, HENRY April 22, 1914 Consulting Engineer, 1263-69 Calvert Building, Baltimore, Md. AHEARN, JOHN T. June 7, 1904 1903 Adelicia Street, Nashville, Tenn. July 18, 1907 AHERNS, HOWARD E. Treasurer Lewiston and Reedsville Water Co., Reading, Pa.

Ahrens, Albert R. N., C.E. 1630 Eleventh Avenue, Brooklyn, N. Y.	March 4, 1915
Albert, Henry Professor Pathology and Bacteriology, University of Iowa, Iowa City, Iowa.	May 14, 1915
ALEXANDER, MONTGOMERY Chemist and Bacteriologist, 1224 Washington Street, Wilmington, Del.	April 22, 1914
ALLEN, EDWARD B. Chemist, 24 Walker Avenue, Troy, N. Y.	June 4, 1912
ALLEN, W. H. Consulting Engineer, 111 West Monroe Street, Chicago, Ill.	May 8, 1915
Allen, William John Chief Engineer and Bacteriologist, 329 Cory Avenue, Waukegan, Ill.	March 4, 1915
Allin, T. D., C.E. 101 East Walnut Street, Pasadena, Cal.	July 12, 1906
Allison, James E. 300 Security Building, St. Louis, Mo.	June 24, 1913
ALVORD, JOHN W. Consulting Engineer, 1417-18 Hartford Building, Chicago, Ill.	May 17, 1899
Amole, E. B. Mechanical Engineer, 16 North Warwick Avondale, Cincinnati, O.	October 28, 1914
Amos, John F. Chief Engineer Rochester and Lake Ontario Water Company, Charlotte, N. Y.	June 8, 1909
Amsbary, F. C. Manager Water Company, Champaign, Ill.	June 11, 1902
Anders, Frank LaFayette City Engineer, Box 185, Fargo, N. D.	June 10, 1911
Anderson, Charles Superintendent of Pumping, Cincinnati Water Works, Cincinnati, Ohio.	May 14, 1915
Anderson, J. F. 3431 Harrison Street, Kansas City, Mo.	June 24, 1903
Anderson, W. F. Superintendent Water Works, Effingham, Ill.	May 12, 1914
Andrews, Amos Superintendent Plainfield Union Water Company, Plainfield, N. J.	May 12, 1914

Andrews, Lewis P. Manager, Secretary and Treasurer Water Company, Sedalia, Mo.	June 7, 1904
Andrews, Robert E. National Board Fire Underwriters, 135 William Street, New York, N. Y.	June 24, 1913
Anthony, Jr., Charles General Manager Water Company, Cassilla Correo 149. Bahia Blanca, Argentine Republic, S. A.	July 18, 1907
Armstrong, James W., C.E. Lake Montebello, Hillen Road, Baltimore, Md.	April 27, 1910
Armstrong, Ray Superintendent Water and Sewer Department, Rome, N. Y.	April 22, 1914
Ashdown, E. H. Engineer in Charge, Sewer Department, City Hall, Chicago Heights, Ill.	April 14, 1915
ATKINSON, T. R. Consulting Engineer, Bismarck, N. D.	June 24, 1913
ATTERSALL, CHARLES F. Superintendent Water Works, Winchester, Ky.	July 18, 1907
AUTHENRITH, A. J. Chief Engineer, C. I. P. S. Co., Mattoon, Ill.	November 10, 1914
Ayres, John H. Acting Supervising Engineer, Vigan, Ilocos Sur, P. I.	May 12, 1908
Ayres, Louis E., C.E., B.S. 947 Greenwood Avenue, Ann Arbor, Mich.	November 19, 1914
AYRES, THOMAS H. Superintendent Water Works, South Bend, Ind.	June 24, 1913
BABBITT, HAROLD E. 204 Engineering Hall, University of Illinois, Urbana, Ill.	January 12, 1915
Bachman, Frank Chemist and Bacteriologist, 6809 Dorchester Ave- nue, Chicago, Ill.	April 21, 1915
BAIN, ERNEST B. Superintendent Wake Water Company, Raleigh, N. C.	June 7, 1904
BAIR, MAURICE Z. Principal Assistant Engineer State Board of Health, Page Hall, Ohio State University, Columbus, Ohio.	May 8, 1915
BAKER, M. N. Editor Engineering News, 505 Pearl Street, New York, N. Y.	June 24, 1903

BALDWIN, BERT L. Superintendent, 2529 Bell Place, Cincinnati, Ohio.	June 24, 1903
BALDWIN, FRED N. Superintendent Water Works, Flint, Mich.	May 14, 1915
Baldwin, Henry deForest President Queens County Water Company, 49 Wall Street, New York City, N. Y.	April 27, 1910
Bancroft, Lewis M. Superintendent Water Works, Reading, Mass.	June 27, 1905
BARBOUR, FRANK A. Hydraulic and Sanitary Engineer, 1120 Tremont Building, Boston, Mass.	July 10, 1906
Bardwell, R. C. Chemist, Missouri Pacific Railway Company, 627 Midland Building, Kansas City, Mo.	November 1, 1914
Barlow, J. E. Civil and Hydraulic Engineer, Service Director, City Hall, Dayton, Ohio.	May 14, 1915
Barnes, D. C. Manager Water Works, Everett, Wash.	June 24, 1913
Barnes, T. Howard, C.E. 1646 Whitehall Building, New York, N. Y.	January 12, 1915
Barnes, Wm. T. Engineer, with Metcalf and Eddy, 1824 Harris Trust Building, Chicago, Ill.	June 4, 1912
Barnhard, P. Manager Mt. Carmel Public Utility Company, Mt. Carmel, Ill.	October 23, 1914
Barr, James, M.E. Department of Water Works, City Hall, Toronto, Ont.	May 12, 1914
Barrett, Charles F. Superintendent Water Works, City and County Building, Salt Lake City, Utah.	June 24, 1913
Bartlett, Charles H., C.E. 852 Elm Street, Manchester, N. H.	October 16, 1914
Bartlett, N. Emory Director Natrona Water Company, 115 Chestnut Street, Philadelphia, Pa.	June 8, 1909
Bartow, Edward Director State Water Survey, University Illinois, Urbana, Ill.	July 10, 1906

Bascom, G. R. 1819 University Avenue, Madison, Wis.	September 19, 1914
Bass, Frederick H. 429 Union Street, Minneapolis, Minn.	July 18, 1907
Bass, Glenn W. Municipal and Sanitary Engineer, Lawrenceville, Ill.	November 19, 1914
Bassett, Carrol P., C.E. Treasurer Commonwealth Water and Light Company, Summit, N. J.	July 10, 1906
Bassett, George B., C.E. 290 Terrace, Buffalo, N. Y.	June 15, 1898
Batchelder, George W. Water Commissioner, 19 City Hall, Worcester, Mass.	May 12, 1914
Baton, Warren U. C. Analyst in Charge of Laboratory, 528 South Lang Avenue, Pittsburgh, Pa.	July 18, 1907
Bean, George L. Hydraulic Engineer, 1729 N. Nineteenth Street, Philadelphia, Pa.	December 29, 1913
Beardsley, Joseph C. P. O. Box 237, Cleveland, Ohio.	June 24, 1903
Beck, F. E. Engineer Board of Water Commissioners, 25 Bennett Avenue, Binghamton, N. Y.	May 14, 1915
BECKSTROM, Ross P. Superintendent Water Works, Rockford, Ill.	May 12, 1914
Behney, Charles Clyde, C.E. Care of Simplex Valve and Meter Company, 90 N. Lansdowne Avenue, Lansdowne, Pa.	May 12, 1914
Bell, David V. Superintendent Water Companies, Union Pacific Railroad Company, 325 North Front Street, Rock Springs, Wyo.	June 8, 1909
Bemis, Edward W. 4500 Beacon Street, Chicago, Ill.	June 24, 1903
Bennett, C. G., M.E. State Public Utilities Commission, 441 South 2nd Street, Springfield, Ill.	April 23, 1915
Bennett, J. W. Superintendent and Engineer Water Works, Oklahoma City, Okla.	June 4, 1912

Benzenberg, G. H. Consulting Engineer, 1310 Wells Building, Milwaukee, Wis.	April 18, 1888
Bergan, Patrick H. Superintendent Water Works, Huntington, Pa.	April 22, 1914
Berry, J. P. Superintendent Water Works, Waterloo, Iowa.	May 27, 1896
Bettes, Charles R. Chief Engineer Queen County Water Works, Far Rockaway, L. I., N. Y.	June 18, 1901
BIERTUEMPFEL, ALBERT H. Board of Water Commissioners, Newark, N. J.	May 12, 1914
BIRDSALL, LEWIS I. Columbia Heights, Minneapolis, Minn.	June 24, 1913
BIRKENBINE, CARL P. Hydraulic Engineer, Parkway Building, Philadelphia, Pa.	May 12, 1914
BISHOP, WILLIAM Doylestown, Bucks County, Pa.	May 12, 1908
BITGOOD, FREDERICK C., M.E. 1308 Traction Building, Cincinnati, Ohio.	June 10, 1911
Black, Ernest B. Consulting Engineer, Reliance Building, Kansas City, Mo.	June 24, 1913
BLACK, GURDON G. Engineer in Charge, Superintendent and Purifying Secretary, Water Department, 34 East Grand Avenue, St. Louis, Mo.	May 8, 1915
BLACKMORE, DAWSON Administrative Superintendent Cincinnati Water Works, Cincinnati, Ohio.	May 14, 1915
BLAIR, McCrea Parker City Engineer, City Hall, St. Boniface, Manitoba, Canada.	April 27, 1910
BLAKE, C. H. M. Calle de la Reforma, 717 Guadalajara, Mexico.	July 10, 1906
Blakeman, S. R. Superintendent Water and Light Company, Dyersburg, Tenn.	Nov. 1, 1914
BLAKEMORE, ROBERT B. Commissioner of Water and Sewage, Box 136, Fargo, N. D.	May 14, 1915

Blauvelt, Albert Associate Manager Western Factory Insurance Association, Insurance Exchange Building, Chicago, Ill.	June 8, 1909
BLIVEN, CHARLES H. Superintendent Norfolk County Water Company, Norfolk, Va.	May 12, 1914
BLIVEN, GEO. H. Superintendent Rochester and Lake Ontario Water Company, 440 Powers Building, Rochester, N. Y.	July 18, 1907
Bloom, William H. General Manager Water Company, Williamsport, Pa.	June 8, 1909
Blossom, Francis Engineer and Contractor, 52 William Street, New York, N. Y.	July 10, 1906
Boardman, W. H., C.E. 426 Walnut Street, Philadelphia, Pa.	September 7, 1893
Bock, Fred L. Assistant Engineer Distribution System, 312 City Hall, St. Louis, Mo.	May 9, 1915
Boeh, W. H. 1214 Louden Avenue, Cincinnati, Ohio.	May 16, 1900
BOGART, JOHN, C.E. 141 Broadway, New York, N. Y.	May 18, 1892
BOHMANN, HENRY P. Superintendent Water Works, Milwaukee, Wis.	June 24, 1913
Bolling, Chas. E. City Engineer, Richmond, Va.	April 15, 1891
Bonnet, Jr., Frederic Professor of Chemistry, W. P. I., 22 Dayton Street, Worcester, Mass.	April 21, 1915
BOOKER, WARREN H. care of State Board of Health, Raleigh, N. C.	June 4, 1912
Booth, L. M. President L. M. Booth Company, 58 Hudson Street, Jersey City, N. J.	May 12, 1914
BOOTH, WILLIAM MILLER Chemical Engineer, Dillaye Building, Syracuse, N. Y.	June 8, 1909
Borden, Moro M. 310 Lees Avenue, Collingswood, N. J.	June 4, 1912

Pott, W. A., C.E. 640 Midland Building, Kansas City, Mo.	May 12, 1914
BOUTELLE, GEORGE K. Treasurer Kennebec Water District, Waterville, Me.	May 12, 1908
Bowen, R. General Sales Manager Epping Carpenter Company, Pittsburgh, Pa.	May 12, 1908
BOWKER, CHAS. L. Superintendent Brunswick and Topsham Water District, Brunswick, Me.	July 10, 1906
BOWLES, JAMES TEN BROECK Chemist, 39-41 West 38th Street, New York, N. Y.	June 8, 1909
Boyden, Henry T. Elyria, Ohio.	June 4, 1912
Brackett, Dexter Chief Engineer Metropolitan Water Works, 1 Ashburton Place, Boston, Mass.	July 10, 1906
Bradley, Edgar Joseph Resident Engineer, Millbrook Water Works, Mill- brook, South Australia.	June 24, 1913
Brandli, H. E. Treasurer and General Manager Citizens Gas, Electric and Heating Company, Mt. Vernon, Ill.	April 21, 1915
Breidenbach, E. H. Manager and Superintendent Owensboro Municipal Electric and Water Softening and Purifying Plants, Owensboro, Ky.	June 4, 1912
Breitzke, Charles F. Sanitary Engineer, Jersey City Water Works, Boonton, N. J.	June 10, 1911
Brennan, B. C. City Engineer, Superintendent Water Works, Kenosha, Wis.	June 24, 1913
Brightman, Horace I. Secretary Staten Island Water Supply Company, 50 Broadway, New York, N. Y.	June 11, 1902
Britton, Guy, C.E. Boonton Sterilization Plant, Jersey City Water Works, Boonton, N. J.	December 1, 1913
Brooks, Isaac W. President Water Company, Torrington, Conn.	April 18, 1888

Brooks, James E. President James E. Brooks Company, Glen Ridge, N. J.	October 16, 1914
Brooks, John N., C.E. Douglaston, N. Y.	June 24, 1913
Brown, C. Arthur Sanitary Engineer, 218 Washington Street, Lorain, Ohio.	June 27, 1905
Brown, C. D. Manager Water Works, Walkersville, Ontario, Can.	October 16, 1914
Brown, Calvin S. The Belvedere, Toledo, Ohio.	March 15, 1882
Brown, Charles Carroll Editor Municipal Engineering, Commercial Club Building, Indianapolis, Ind.	May 12, 1908
Brown, Horace A., C.E. Superintendent Water Works, Ottumwa, Iowa.	June 10, 1911
Brown, Robert H. Sanitary Engineer, Engineering Building, Columbia University, New York, N. Y.	May 12, 1908
Brown, W. McK., C.E. 300 Cahokia Building, East St. Louis, Ill.	November 19, 1914
Brown, Walter I. City Hall, Bangor, Me.	October 31, 1914
Brua, E. G. care of Associated Oil Company, 817 Sharon Build- ing, San Francisco, Cal.	May 12, 1908
BRUCE, W. H. Superintendent City Water Department, Fort Smith, Ark.	June 10, 1911
Bruckmiller, F. W. Chemist, Water Survey, 1424 Kentucky Street, Lawrence, Kan.	December 30, 1914
Brush, Wm. W. Deputy Chief Engineer, Department Water Supply, Gas and Electricity, 21 Park Row, New York, N. Y.	June 10, 1911
Bryson, G. H., C.E. Brockville, Ontario, Canada.	July 18, 1907
Buckley, Timothy J., C.E. Altmar, N. Y.	June 10, 1911
Budelman, George A. Assistant Engineer, Whitney Avenue, Elmhurst, Long Island.	March 28, 1914

BUERGER, CHARLES B., C.E. 170 Broadway, New York, N. Y.	March 28, 1914
Buka, Simeon Sanitary Engineer, Pittsburgh Testing Laboratory, 6419 Bartlett Street, Pittsburgh, Pa.	May 14, 1915
Bulkeley, Oscar Engineer Water Department, Rockford, Ill.	June 24, 1913
Bull, Irving C. Analytical and Consulting Chemist, 100 Maiden Lane, New York, N. Y.	June 8, 1909
Bunker, George Cyrus Cristobal, Canal Zone.	July 10, 1906
Burdick, Charles B. Hydraulic and Sanitary Engineer, 1417 Hartford Building, Chicago, Ill.	July 18, 1907
Burgess, Philip Hydraulic Engineer, 828 Columbus Savings and Trust Building, Columbus, Ohio.	June 10, 1911
BURNETT, M. Superintendent Water Works, Paducah, Ky.	April 17, 1889
Burns, Clinton S. Consulting Hydraulic Engineer, 803 Scarritt Building, Kansas City, Mo.	April 27, 1910
Burns, T. W. City Engineer and Superintendent Water Works, Fairbury, Ill.	June 27, 1905
Buss, E. A. Consulting Engineer, 85 Water Street, Boston, Mass.	May 12, 1908
Butler, James S. Superintendent Public Service Commission, Yazoo City, Miss.	June 10, 1911
BUTTENHEIM, HAROLD S. Editor The American City, 93 Nassau Street, New York, N. Y.	June 24, 1913
Buzzell, Royal S. Chemist, Superintendent Filtration, 726 East Court Street, Flint, Mich.	January 27, 1914
Caird, James M. Chemist and Bacteriologist, 271 River Street, Troy, N. Y.	May 16, 1900
Caldwell, James H., C.E. 55 First Street, Troy, N. Y.	July 10, 1906
CALKINS, WILLIS N. 2200 Harriet Avenue, S., Minneapolis, Minn.	June 11, 1902

Callahan, W. J.	July 18, 1907
Superintendent Niagara Falls Water Works, Niagara Falls, N. Y.	,
Cameron, Archibald Preston 10 Clive St., Calcutta, India.	June 4, 1912
Campbell, C. B. Superintendent Bureau of Water, Altoona, Pa.	May 14, 1915
Campbell, Duncan McDonald, C.E. Room 2, Davidson Building, Halifax, N. S.	December 30, 1914
Campbell, George A. P. O. Box 805, Reno, Nev.	June 24, 1913
Campbell, H. A., C.E. 1209 Merchants Exchange Building, San Francisco, Cal.	June 8, 1909
Campbell, James J. Superintendent Water Works, Menominee, Mich.	June 11, 1902
Cappelen, F. W. City Engineer, 2129 Girard Avenue, Minneapolis, Minn.	September 7, 1893
CARLIN, PHILIP Superintendent Water Works, Sioux City, Iowa.	April 15, 1891
Carlisle, Charles C. Consulting Engineer, 212 First National Bank Building, Cheyenne, Wyo.	April 27, 1910
CARROLL, EUGENE Chief Engineer and Superintendent Water Works, Butte, Mont.	June 7, 1904
Carstein, Lorenz W. F. Superintendent Long Beach Water Company, 347 West 55th Street, New York, N. Y.	May 8, 1915
Carter, C. D. Superintendent Water and Sewage Department, Charlottesville, Va.	July 10, 1906
Case, James Francis Vice-President Cuban Engineering and Contracting Company, Apartado 669, Havana, Cuba.	May 12, 1908
Castle, George J. Superintendent and Secretary, Carlinville Water Supply Co., Carlinville, Ill.	Nov. 24, 1914
CATCHPOLE, C. T. Assistant General Manager The Denver Union Water Company, P.O. Box 1518, Denver, Colo.	June 10, 1911

CATTELL, W. A. Consulting Engineer, Foxcroft Building, San Francisco, Cal.	June 24, 1913
Chambers, Victor J. Professor of Chemistry, University of Rochester, Rochester, N. Y.	October 16, 1914
Chamot, E. M. Professor Sanitary Chemistry, Cornell University, Ithaca, N. Y.	April 19, 1915
CHAMPE, GEORGE, C.E. 610 Nasby Building, Toledo, Ohio.	June 24, 1913
CHAMPION, R. B. Superintendent Public Works, Holland, Mich.	March 28, 1914
CHAPIN, L. E. Consulting Engineer, Water Works, Canton, Ohio.	May 17, 1899
CHENEY, Jr., GEORGE S., C.E. 922 Commercial Trust Building, Philadelphia, Pa.	December 18, 1913
CHESSINGTON, J. B., C.E. Thermopolis, Wyo.	May 12, 1908
CHESTER, CHARLES E., C.E. Manager City Water Company, Shelbyville, Ill.	December 18, 1913
Chester, J. N. Hydraulic and Mechanical Engineer, Union Bank Building, Pittsburgh, Pa.	June 10, 1911
CHIPMAN, WILLIS, C.E. 103 Bay Street, Toronto, Ontario, Canada.	April 18, 1888
CHISHAM, J. M. Superintendent Water Company, Atchison, Kan.	June 11, 1902
Christie, J. G. C., C.E. 706 Commercial Bank Building, Charlotte, N. C.	November, 10, 1914
CLANCY, LESTER J. Superintendent Storage Yard, Board of Water Commissioners, 729 Canton Avenue, Detroit, Mich.	May 9, 1915
CLARK, H. W. President and General Manager Clear Water Company, Mattoon, Ill.	May 29, 1895
CLARK, RICHARD Superintendent Water Works, Merritton, Ont.	June 27, 1905

CLARKE, DAVID DEXTER, C.E. City Hall, Portland, Ore.	November 1, 1914
CLAYTON, R. M. City Engineer, Atlanta, Ga.	April 15, 1891
CLEMMITT, ROBERT L. Assistant Water Engineer, City Hall, Baltimore, Md.	April 27, 1910
CLIFTON, CHARLES ELMER Chemist, 271 River Street, Troy, N. Y.	April 27, 1910
CLOWES, JOHN HENRY Bureau of Municipal Research, 261 Broadway, New York.	June 24, 1913
Cobb, Charles H. Superintendent Water Works, Kankakee, Ill.	June 7, 1904
Cobleigh, W. M. Professor of Chemistry, Montana State College, Bozeman, Mont.	December 29, 1913
Coggeshall, R. C. P. Superintendent Water Works, New Bedford, Mass.	December 30, 1914
Cole, Edward S. Manager, The Pitometer Company, 25 Elm Street, New York, N. Y.	June 11, 1902
COLEHOUR, R. A. Assistant Water Engineer, 3517 Du Pont Avenue, South, Minneapolis, Minn.	June 24, 1913
COLLINS, ALEXANDER Superintendent Water Works, Niagara Falls, Ont.	June 8, 1909
Collins, George J. S. 414 Bee Building, Omaha, Neb.	July 18, 1907
Conard, W. R. Savings Institution Building, Burlington, N. J.	June 7, 1904
CONNOB, F. J. Superintendent Water Works, Sioux Falls, S. D.	May 16, 1900
Connor, Virgil R. Trustee Kennebec Water District, Fairfield, Me.	May 12, 1908
Converse, William A. Chemist, McCormick Building, Chicago, Ill.	June 8, 1909
Conrad, L. E. Professor Civil and Highway Engineer, 317 N. 17th Street, Manhattan, Kan.	May 14, 1915
Conway, G. R. G. British Columbia Electric Railway Company, Van- couver, B. C.	June 8, 1909

Cook, Frederick S. Consulting Engineer, 15 Landscape Avenue, Yonkers, N. Y.	June 7, 1904
COOK, JOHN H. Hydraulic Engineer East Jersey Water Company, 158 Ellison Street, Paterson, N. J.	July 10, 1906
Cooley, Lyman E. Consulting Engineer, Sanitary District, 20 West Jackson Boulevard, Chicago, Ill.	November 19, 1914
Cooper, George F. Secretary and Treasurer Water Works, Xenia, Ohio.	May 12, 1914
COOPER, SAMUEL W. Civil and Hydraulic Engineer, Lewistown, Pa.	May 12, 1914
COPPOCK, WILLIAM Board of Trustees, Council Bluffs, Iowa.	June 24, 1913
CORBIN, CLEMENT K. President Bergen Water Company, 243 Washington Street, Jersey City, N. J.	May 12, 1908
CORBIN, H. K. Contractor, 30 Church Street New York, N. Y.	April 16, 1914
CORIN, MAGNUS F. Chemist, 511 Hansberry Street, Germantown, Pa.	April 27, 1910
CORR, ANDREW S. care of Warren Foundry and Machine Company, Phillipsburg, N. J.	June 27, 1905
Corson, H. P. Chemist and Bacteriologist, Illinois State Water Survey, Urbana, Ill.	November 1, 1914
Cosculluela, Juan Antonio Calle D, 10 Vedado, Havana, Cuba.	June 24, 1913
Cothran, Thomas W., C.E. 114 Blake Street, Greenwood, S. C.	June 4, 1913
COULT, F. H. Consulting Engineer, 1608 Chemical Building, St. Louis, Mo.	October 23, 1914
COVENTRY, H. G. 6 Morella Road, Wandsworth Common, London, S. W. England.	June 10, 1911
Cox, Homer F. Chief Engineer Scranton Gas and Water Company, 430 Colfax Avenue, Scranton, Pa.	May 12, 1914
CRAMER, W. S., C.E. Water Works Company, P.O. Box 42, Lexington, Ky.	May 12, 1908
CRICHTON, ANDREW B. Secretary and Treasurer Portage Water Company, Johnstown, Pa.	April 21, 1915

CRIPPS, GEORGE E. Superintendent Water Works Repair Department, 18 Eagle Street, Rochester, N. Y.	June 8, 1909
CROLL, EMIL A. Superintendent Water Works, Iron Mountain, Mich.	September 7, 1893
Crozier, Ray Resident Engineer Peoria Water Works, Peoria, Ill.	April 21, 1915
CUDDEBACK, ALLEN W. Engineer and Superintendent Passaic Water Company, 158 Ellison Street, Paterson, N. J.	June 7, 1904
CUMMIN, GAYLORD C., C.E. City Manager, Jackson, Mich.	June 4, 1912
Cumming, Charles S. Hydraulic Engineer, Gardner, Ill.	April 19, 1915
Curran, H. C. Superintendent Water Works, Waterford, N. Y.	May 12, 1914
Curlee, Ward City Engineer, Swift Current, Saskatchewan.	March 4, 1915
Cutts, Francis T. Assistant Water Commissioner, 312 City Hall, St. Louis, Mo.	June 15, 1914
Dallyn, F. A., C.E. Provincial Sanitary Engineer, 137 Geoffrey Street, Toronto, Ontario.	December 18, 1913
DAPPERT, JAMES W., C.E. City Engineer, Taylorville, Ill.	October 23, 1914
Davidson, George M. Chemist and Engineer of Tests C. & N. W. Ry. Shops, Chicago, Ill.	April 19, 1915
Davis, Carleton E. Bureau of Water, Philadelphia, Pa.	June 24, 1913
Davis, David Mayor, Litchfield, Ill.	December 18, 1913
Davis, E. E. Superintendent Water Works Department, Richmond, Va.	May 12, 1908
Davis, George Jacob Dean, University of Alabama, University P. O., Ala.	October 31, 1914
Davisson, W. C. Treasurer and Manager, care W. Va. Water and Electric Co., Charleston, W. Va.	June 4, 1912

DeBerard, W. W. Western Editor Engineering Record, 1570 Old Colony Building, Chicago, Ill.	June 4, 1912
DEVARONA, I. M. Chief Engineer Department Water Supply, Gas and Electricity, 805 St. Nicholas Ave.; New York, N. Y.	June 4, 1912
DeWolf, Frank W. Director State Geological Survey, Urbana, Ill.	April 9, 1915
DECKER. A. CLINTON Chemist, Bacteriologist and Sanitary Engineer, P. O. Box 790, Birmingham, Ala.	June 15, 1914
DECKER, JOHN H. Bartlett Building, Atlantic City, N. J.	July 18, 1907
Denman, Arthur R. Board Street and Water Commission, City Hall, Newark, N. J.	June 8, 1909
DENNETT ROBERT C. Hydraulic Engineer, care of National Board Fire Underwriters, 76 William Street, New York, N. Y.	May 12, 1914
Dessery, Floyd C. Civil and Hydraulic Engineer, Suite 511-514 Central Building, Los Angeles, Cal.	April 27, 1910
DEVINE, P. H. Superintendent of Public Works, Ishpeming, Mich.	June 24, 1913
DEVINE, WILLIAM J., C.E. Superintendent Ambler Spring Water Company, Ambler, Pa.	July 18, 1907
DEWEY, ALVIN H. Vice-President and General Manager Rochester and Lake Erie Water Company, 440 Powers Building, Rochester, N. Y.	June 4, 1912
DILL, H. A. Superintendent Water Works, Richmond, Ind.	May 16, 1900
DITTOE, W. H. Sanitary Engineer Ohio State Board of Health, Columbus, Ohio.	March 28, 1914
DIVEN. J. M. Superintendent Water Works, Troy, N. Y.	April 16, 1884
DIVEN, J. M., JR., C.E. 47 State Street, Troy, N. Y.	June 4, 1913
DOCKWEILER, JOHN H., C.E. 417-418 Grant Building, San Francisco, Cal.	May 12, 1908
Donahue, J. P. Secretary and Treasurer Water Company, Davenport, Iowa.	April 16, 1884

Donaldson, Wellington Sanitary Engineer, American Water Works and Electric Company, 50 Broad Street, New York, N. Y.	April 27, 1910
Donnan, Alvan Secretary Waynesburg Water Company, Washing- ton, Pa.	July 18, 1907
Doten, Leonard S., C.E. 410 A Street, N. E., Washington, D. C.	October 23, 1914
Dove, Frank J., C.E. 810 First National Bank Building, Fort Smith, Ark.	June 10, 1911
Downes, John R. Sewage Disposal Plant, Corner Rock and Myrtle Ave., Plainfield, N. J.	July 10, 1906
Downes, Mahlon L. Assistant Superintendent Louisville Water Company, Louisville, Ky.	April 22, 1914
Drake, Chester F. Superintendent Filtration Division, Bureau of Water, P. O. Drawer A, Aspinwall, Pa.	April 27, 1910
Driscoll, Martin A. President Haverstraw Water Supply Company, Haverstraw, N. Y.	July 10, 1906
DuMoulin, W. L. Superintendent The Morenci Water Company, Morenci, Arizona.	June 10, 1911
DUENCKEL, FRED. W. Chemist, 2912 Ellendale Avenue, St. Louis, Mo.	July 28, 1914
Duggan, Thomas R., Ph.D., F.I.C. Chemists Club, 54 East Forty-first Street, New York, N. Y.	December 18, 1913
Dunbar, E. L. Secretary and Superintendent Water Works, Bay City, Mich.	June 26, 1886
DUNHAM, H. F., C.E. 220 Broadway, New York, N. Y.	April 16, 1884
Dunlap, Fred C. Consulting Engineer, Oak Lane, Philadelphia, Pa.	May 12, 1908
Dunlap, John H. Assistant Professor Hydraulics and Sanitary Engineering, State University of Iowa, Iowa City, Iowa.	October 23, 1914

Dunwoody, J. H. Chemist, Water Department, Erie, Pa.	June 24, 1913
Durland, Smith N. Cashier Queens County Water Company, 15 John Street, Far Rockaway, N. Y.	January 27, 1914
Durst, J. Arthur, M.E. 112 North Broad Street, Philadelphia, Pa.	May 12, 1914
DWYER, CORNELIUS 18 Chuctanunda Street, Amsterdam, N. Y.	October 16, 1914
Dyer, Eben R. Superintendent, 33 Plum Street, Portland, Me.	June 4, 1912
Earl, George Goodell General Superintendent Sewage and Water Board, 502 City Hall Annex, New Orleans, La.	July 18, 1907
Easterling, R. A. Superintendent Electric Street and Water Works, Union, S. C.	March 28, 1914
Eastwood, John Thompson Principal Assistant Engineer Sewer and Water Board, City Hall Annex, New Orleans, La.	June 8, 1909
Edwards, William R. Superintendent Meter Department, Passaic Water Company, 156 Ellison Street, Paterson, N. J.	April 16, 1914
Eglof, John Henry, C.E. 145 Hoosick Street, Troy, N. Y.	June 4, 1912
EHRET, LOUIS DAVID Chief Engineer City Water Works, Sacramento, Cal.	June 11, 1911
ELDREDGE, GUY Chemist, Superintendent of Filtration, 920 Four- nier Street, Fort Worth, Texas.	December 29, 1913
Elliott, G. A. Engineer Spring Valley Water Company, 1270 Sacramento Street, San Francisco, Cal.	May 14, 1915
Elliott, Robert Water Commissioner, Nashville, Tenn.	April 22, 1914
Ellis, George R. 25 Madison Avenue, New York, N. Y.	July 18, 1907
Ellis, Robert N. Board of Bond Trustees, Jacksonville, Fla.	May 21, 1890
ELLSWORTH, HARRY Superintendent Water and Light Department, Meadville, Pa.	July 18, 1907
ELWOOD. FREDERICK T. City Engineer, Rochester, N. Y.	May 12, 1908

ELY, HOWARD M. Superintendent Water Company, Danville, Ill.	June 8, 1909
EMERSON, Jr., C. A. Assistant Engineer Pennsylvania State Board of Health, Harrisburg, Pa.	May 12, 1908
Enger, M. L. Assistant Professor Theoretical and Applied Mechanics, University of Illinois, Urbana, Ill.	April 23, 1915
England, R. G., C.E. Fargo Engineering Company, 304 Commonwealth Building, Jackson, Mich.	September 19, 1914
Engle, S. G. City Chemist, 664 Connecticut Street, Gary, Ind.	November 10, 1914
Eno, F. H., C.E. Ohio State University, Columbus, Ohio.	December 1, 1913
Ericson, John E. 848 Lakeside Place, Chicago, Ill.	June 7, 1897
ERVAST, ANDREW, C.E. Union Building, San Diego, Cal.	May 12, 1908
Etnyre, S. L. Superintendent Water Works, Council Bluffs, Iowa.	May 14, 1915
EVERETT, CHESTER M. of Hazen, Whipple & Fuller, 30 East 42nd Street, New York, N. Y.	May 14, 1915
EVERETTE, DR. WILLIS EUGENE Consulting Technologist, 3512 South Eleventh Street, Tacoma, Wash.	January 5, 1914
Evinger, M. I. Associate Professor Hydraulic and Sanitary Engineering, Iowa State College, Ames, Iowa.	April 27, 1910
Ewing, James Hunter District Water Supply and Sewerage Board, Newcastle, N.S.W., Australia.	June 24, 1913
EYMER, HERMAN H. City Engineer, Saginaw, Mich.	June 4, 1912
Faller, C. Superintendent Carlisle Gas and Water Company, Carlisle, Pa.	June 8, 1909
FARNHAM, ARTHUR B. Engineer Board of Public Works, Pittsfield, Mass.	December 30, 1914
FAWKES, ARTHUR WALTER ELLSON Water Works Engineer, Calgary, Alberta, Canada.	June 24, 1913
Felix, George H. 138 North Main Street, Reading, Pa.	September 7, 1893

Fellows, A. Lincoln Hydraulic Engineer, 435 Century Building, Denver, Colo.	June 10. 1911
Fellows, C. L. Deputy City Engineer, Toronto, Canada.	June 7, 1904
Fellows, Frederick L. Supervising Engineer, Vancouver, B. C.	July 18, 1907
Fenn, Chas. W., C.E. Manager Water Works, 11 Exchange Street, Portland, Me.	June 27, 1905
Ferebee, James L. care of Sewerage Commission, City Hall, Milwaukee, Wis.	September 19, 1914
Ferguson, Harry Foster Assistant Engineer, Illinois State Water Survey, Urbana, Ill.	November 10, 1914
Ferguson, J. J. Law Reporter, 103 Pearl Street, Council Bluffs, Iowa.	June 24, 1913
Ferguson, S. F. Consulting Engineer, 100 William Street, New York, N. Y.	January 12, 1915
FEWELL, J. H. Superintendent Water Works Department, Jackson, Miss.	July 10, 1906
Figg, J. P. Superintendent Water Works, Savannah, Ga.	July 18, 1907
FILBERT, WILLIAM D. Womelsdorf Consolidated Water Company, 143 West Greenwich Street, Reading, Pa.	April 27, 1910
Finkle, F. C. Consulting Hydraulic Engineer, 449 I. W. Hellman Building, Los Angeles, Cal.	June 24, 1912
FINLEY, CHARLES A. Superintendent Water Supply and Distribution, 524 Oliver Building, Pittsburgh, Pa.	April 27, 1910
Fischer, Charles H. Fire Protection Engineer, 2830 Hudson Boulevard, Jersey City, N. J.	June 27, 1914
Fisher, David G. Consulting Engineer, 305 Bechtel Building, Daven- port, Iowa.	May 15, 1915
Fisher, E. A. Consulting Engineer, Rochester, N. Y.	June 4, 1912
FISHER, E. P. Superintendent London Water Works Company, London, Ohio.	May 14, 1915

FISHER, L. A. P. O. Box 198, Concord, N. C.	January 27, 1914
Fisler, Amos C. 718 Linden Street, Camden, N. J.	June 4, 1912
FITCH, JAY L. Superintendent State Water Works, Anna, Ill.	November 1, 1914
FITZPATRICK, JAMES R., C.E. General Manager Grand Rapids Hydraulic Company, Grand Rapids, Mich.	June 27, 1905
FLAA, INGWALD E. Assistant Engineer Spring Valley Water Company, 375 Sutter Street, San Francisco, Cal.	May 14, 1915
FLANAGAN, JOHN C. Secretary Board of Water Commissioners, St. Paul, Minn.	June 24, 1913
FLATLEY, JAMES P. Superintendent Water Company, Green Bay, Wis.	June 8, 1909
FLEMING, VIRGIL R. 204 Laboratory Applied Mechanics, Urbana, Ill.	April 14, 1915
FOLWELL, A. PRESCOTT Editor Municipal Journal and Engineer, 50 Union Square, New York, N. Y.	July 10, 1906
FORRISTEL, F. E. Superintendent Water Works, Evelith, Minn.	June 24, 1913
FOSHAY, WILBUR B. President Olympia Water Works, 403 Journal Building, Portland, Ore.	June 24, 1913
Foss, W. E. Division Engineer Metropolitan Water Works, Boston, Mass.	July 10, 1906
Foster, Ernest H., M.E. 111 Broadway, New York, N. Y.	June 18, 1901
FOULK, C. W. Professor of Analytical Chemistry, Ohio State University, Columbus, Ohio.	January 12, 1915
FOWLER, ARTHUR G. Superintendent Water Works, R. F. D. No. 3, Cumberland, Md.	April 27, 1910
Fowler, Edward A. Assistant Engineer Sewerage and Water Board, City Hall Annex, New Orleans, La.	April 27, 1910
FOWLES, BYRON C. Manager Light and Water Company, Pine Bluff, Ark.	May 12, 1908

Fox, Charles L. Assistant Superintendent Pennsylvania Water Company, 701 Wood Street, Wilkinsburg, Pa.	June 4, 1912
Frank, Fred W. Secretary and Manager Water Works, Brantford, Ontario, Canada.	July 18, 1907
Frederick, W. Dayton Bridgeton Water Works, Bridgeton, N. J.	May 12, 1914
Freeman, John R. Consulting Engineer, 235 Arlington Avenue, Providence, R. I.	October 16, 1914
Freiling, Henry J. Assistant Superintendent Water Works, Hannibal, Mo.	May 12, 1914
French, D. W. Superintendent Hackensack Water Company, P.O. Box 98, Weehawken, N. J.	May 29, 1895
FRENCH, DUDLEY K. Chemist, Dearborn Chemical Company, 2005 McCormick Building, Chicago, Ill.	February 25, 1914
French, E. V., M.E. 31 Milk Street, Boston, Mass.	July 10, 1906
FROST, WADE H. U. S. Public Health Service, 3rd and Kilgour Streets, Cincinnati, O.	April 21, 1915
FUERTES, JAMES H. Consulting Engineer, 140 Nassau Street, New York, N. Y.	July 10, 1906
Fuller, Allen J. General Superintendent Bureau of Water, City Hall, Philadelphia, Pa.	June 18, 1901
Fuller, Frank L., C.E. 12 Pearl Street, Boston, Mass.	July 10, 1906
Fuller, George W. 170 Broadway, New York, N. Y.	June 15, 1898
Fuller, M. S. Trustee Kennebec Water Distribution, R. F. D. 40, Waterville, Me.	June 4, 1912
Fuller, W. A. Consulting Engineer, 1608 Chemical Building, St. Louis, Mo.	October 14, 1914
FULLER, WILLIAM B. Consulting Engineer, 150 Nassau Street, New York, N. Y.	July 18, 1907
Fulton, D. F. City Engineer, City Hall, Yonkers, N. Y.	May 15, 1915

Gallagher, H. A. Manager Water Company, Independence, Mo.	June 8, 1909
GALLAGHER, J. P.	October 16, 1914
Superintendent Water Works, Canton, Ill. Ganz, Albert F.	June 4, 1912
Stevens Institute, Hoboken, N. J.	
GATES, H. V. President Hillsboro Power and Investment Company, Hillsboro, Ore.	June 7, 1904
GAUB, JOHN Filtration Plant, Washington, D. C.	October 13, 1913
GAVETT, WESTON Chemist and Bacteriologist, 560 North 12th Street, East St. Louis, Ill.	November 10, 1914
$\begin{array}{c} \textbf{Gear, Patrick} \\ \textbf{Superintendent Water Department, Holyoke, Mass.} \end{array}$	June 24, 1913
Gehrman, Adolph Consulting Bacteriologist, 31 N. State Street, Chicago, Ill.	November 19, 1914
Gelston, W. R. Superintendent Citizens Water Works Company, Quincy, Ill.	July 18, 1907
Gerber, Winfred D. Consulting Engineer, 1201-8 Dearborn Street, Chicago, Ill.	April 19, 1915
Getchell, Williams Bassett Agent Central Maine Power Company, Augusta, Me.	June 7, 1904
Gettings, M. T. Superintendent Water Works, Monroe, Wis.	June 8, 1909
GICLAS, ELI Chief Engineer Arizona Lumber and Timber Com- pany, Flagstaff, Ariz.	June 27, 1905
Gideon, Abraham, C.E. Chief Engineer Sewer and Water Works Construc- tion, Manila, P. I.	June 8, 1909
GILCHRIST, CHARLES B. Assistant Superintendent Water Works, Newburgh, N. Y.	May 12, 1914
GILLESPIE, CHESTER GORDON Sanitary Engineer, City Hall, Sacramento, Cal.	June 10, 1911
GILMAN, CHARLES EDWARD General Manager Union Water Company of California, 851 Calmar Avenue, Oakland, Cal.	June 4, 1912

GLOVER, ALBERT S. Secretary Hersey Manufacturing Company, 714 Tremont Temple, Boston, Mass.	April 22, 1885
GLUECK, FRANK J. Mountain Water Supply Company, 208 Coulter Building, Greensburg, Pa.	December 1, 1913
GOENTNER, WILLIAM B. Hydraulic Engineer, Willow Grove, Pa.	June 8, 1909
GOODELL, J. M. Hydraulic Engineer, 106 Loraine Avenue, Upper Montclair, N. J.	April 22, 1885
GOODLAND, JOHN, JR. Commissioner, Appleton, Wis.	June 24, 1913
GOODWILLIE, DAVID H. 1047 Spitzer Building, Toledo, Ohio.	June 4, 1912
GOULD, J. W. DuB. 30 Church Street, New York, N. Y.	October 16, 1914
Graf, August V. Chemist, St. Louis Water Works, 34 East Grand Avenue, St. Louis, Mo.	June 15, 1914
GRAHAM, DOUGLAS, C.E. 1137-8 Monadnock Block, Chicago, Ill.	June 8, 1909
Graham, James W. 33 Plum Street, Portland, Me.	June 4, 1912
Grayson, Theodore J. President New Jersey Water Service Company, 1327 Real Estate Trust Building, Philadelphia, Pa.	June 23, 1914
Greeley, Samuel A. Winnetka, Ill.	July 18, 1907
Green, Frederick Superintendent Commonwealth Water and Light Company, 47 Mountain Avenue, Summit, N. J.	May 12, 1914
Green, Paul Evans Civil and Sanitary Engineer, 17 N. LaSalle Street, Chicago, Ill.	April 14, 1915
Greenalch, Wallace Commissioner Public Works, Albany, N. Y.	July 18, 1907
Gregory, John Herbert Consulting Engineer, 170 Broadway, New York, N. Y.	July 10, 1906
GRIEVE, THOMAS Superintendent Water Works, City Hall, Perth Amboy, N. J.	April 16, 1914

GRIFFIN, J. D. Superintendent Frankfort Water Works, Frankfort, Ky.	June 4, 1912
Griswold, F. M. Insurance Engineer, 56 Cedar Street, New York, N. Y.	July 18, 1907
Griswold, Horace Seth Professor Department of Civil Engineering, University of California, Berkeley, Cal.	June 10, 1911
GROSBERNT, FRED H. Superintendent Construction, 2621 National Avenue, Dayton, Ohio.	May 14, 1915
GROSS, GEORGE L. Secretary Water and Light Department, Duluth, Minn.	June 24, 1913
GROVE, EDWARD H. Index Clerk, Water Registrar's Office, Municipal Building, Washington, D. C.	June 24, 1913
Gubelman, Fred. J. 47 West 34th Street, New York, N. Y.	June 7, 1897
Gushee, Edward G. Second Assistant Engineer Bureau of Water, 2122 North 28th Street, Philadelphia, Pa.	May 12, 1908
GWINN, Dow R. President Water Company, Terre Haute, Ind.	September 7, 1893
HABERMEYER, GEORGE CONRAD Hydraulic and Sanitary Engineer, 395 Prairie Street, Aurora, Ill.	April 14, 1915
Haddon, S. C. Room 1707, 608 South Dearborn Street, Chicago, Ill.	June 4, 1912
HALE, FRANK E. Chemist Mount Prospect Laboratory, Flatbush Avenue and East Parkway, Brooklyn, N. Y.	May 12, 1908
Hale, Richard King, C.E. 85 Water Street, Boston, Mass.	June 10, 1911
Hall, Albert S. Superintendent Kennebec Water District, Water-ville, Me.	May 16, 1900
Hall, Harry R. Principal Assistant Engineer State Department of Health, 16 West Saratoga Street, Baltimore, Md.	May 8, 1915
HALL, J. W. District Manager, Stockton Water District, Pacific Gas and Electric Company, Stockton, Cal.	June 7, 1904

Halpin, Thomas F. Water Commissioner, Newark, N. J.	July 18, 1907
Hammer, Edwin W. Consulting Engineer, Water Commissioner, East Orange, N. J.	May 12, 1914
Hammond, W. H. Superintendent Lindsay Water Works, Lindsay, Ontario, Canada.	June 24, 1914
Handy, James Otis Director Chemical Laboratories, 906 Bedford Avenue, Pittsburgh, Pa.	May 8, 1915
Haney, W. Superintendent Municipal Electric Light and Water Department, Warren, Minn.	June 24, 1913
Hanford, Wesley W. Chemist Illinois State Water Survey, Urbana, Ill.	November 1, 1914
HANSEN, PAUL Engineer State Water Survey, Urbana, Ill.	June 4, 1912
Hanssen, Henry M., C.E. City Engineer, Carroll, Iowa	June 24, 1913
Hapgood, Lyman P. Superintendent Water Works, Box 253, Jamestown, N. Y.	June 8, 1909
Hardgrave, A. Civil and Electrical Engineer, Room 704, 112 West Adams Street, Chicago, Ill.	June 15, 1914
Harding, George Manager, 1105 Paulsen Building, Spokane, Wash.	June 24, 1913
Harding, Robert J. Vice-President San Antonio Water Supply Company, 106 Market Street, San Antonio, Texas.	October 23, 1914
HARDY, EDWARD DANA Superintendent Aqueduct and Filtration Plant, Washington, D. C.	May 12, 1908
HARPER, E. F. City Engineer, 630 North 31st Street, East St. Louis, Ill.	April 9, 1915
HARPER, L. V. Manager Chelan Electric Company, Chelan, Wash.	August 19, 1914
Harris, Charles R. Cashier Portland Water District, 33 Plum Street, Portland, Me.	June 10, 1911
Harris, R. C. Commissioner of Works, City Hall, Toronto, Ontario, Canada	May 12, 1914

HARRISON, JOHN H. Kingston Water Department, Kingston, N. Y.	April 16, 1914
HARRUB, C. NELSON Sanitary Engineer, 353 Elm Street, Arlington, N. J.	December 30, 1914
Harton, W. H. Union Light, Heat and Water Company, Covington, Ky.	May 12, 1914
HASELTINE, W. E. Manager Ripon Light and Water Company, Ripon, Wis.	June 24, 1913
Haskins, C. A. Engineer State Board of Health, University of Kansas, Lawrence, Kan.	June 25, 1914
HATCH, EDWARD L. General Manager Stamford Water Company, Stamford, Conn.	July 10, 1906
HATCH, SAMUEL R. 143 East Gorham Street, Madison, Wis.	June 4, 1912
HATTON, T. CHALKLEY Consulting Engineer, City Hall, Milwaukee, Wis.	June 11, 1902
Hatton, William J. 211 Ogden Avenue, Escanaba, Mich.	May 12, 1908
Hauser, Stephan J. Chemist and Bacteriologist, 1669 Cedar Avenue, College Hill, Cincinnati, Ohio.	May 14, 1915
Hawley, W. C. Chief Engineer and General Superintendent Pennsylvania Water Company, 701 Wood Street, Wilkinsburg, Pa.	April 27, 1910
HAYDEN, JAMES F. Inspector of Hydrants, etc., 1601 Forty-fifth Street, Brooklyn, N. Y.	January 27, 1914
HAYES, W. D. Assistant State Bacteriologist and Chemist, State Board of Health, Jacksonville, Fla.	April 23, 1915
HAYFORD, B. B. Superintendent Water Works, Waukesha, Wis.	June 8, 1909
HAZEN, ALLEN, C.E. 42nd Street Building, New York, N. Y.	May 27, 1896
HAZLEHURST, GEORGE H. Resident Engineer in charge of Construction, Box 416, La Grange, Ga.	November 1, 1914

Hazlehurst, J. N. Consulting Engineer, 1123 Hurt Building, Atlanta, Ga.	July 10, 1906
Head, Cotesworth Bradway Purchasing Agent Spring Valley Water Co., 375 Sutter Street, San Francisco, Cal.	May 14, 1915
Heard, Albert Superintendent and Treasurer, Hagerstown, Md.	July 18, 1907
Hecht, J. L., M.E. Public Service Company, 72 West Adams Street, Chicago, Ill.	June 10, 1911
HEERMANS, H. C. Superintendent Water Works Company, Hoquiam, Wash.	June 26, 1886
Heller, F. P. Water Commissioner, 236 Penn Street, Reading, Pa.	May 12, 1908
Henby, Wm. H. Secretary and Manager West St. Louis Water & Light Co., 6600 Delmar Avenue, St. Louis, Mo.	May 14, 1915
Henderson, Charles R. 114 West Third Street, Davenport, Iowa.	June 18, 1901
HENDRICK, WALLACE M. Assistant Engineer New York Continental Jewell Filtration Company, 11 Clarkson Avenue, Brooklyn, N. Y.	May 14, 1915
HENRY, EDWARD WILLIAM Superintendent Meter Department, 450 Fairmont Avenue, Jersey City, N. J.	May 12, 1908
HERDMAN, F. E. Manager and Engineer Water and Light Property, Winnetka, Ill.	October 26, 1914
Hering, Rudolph Hydraulic and Sanitary Engineer, 170 Broadway, New York, N. Y.	July 14, 1887
Hersey, Francis C., Jr. Secretary Water and Municipal Light Commissioners, Wellesley, Mass.	July 18, 1907
HEYDRICH, A. President Matanzas Water Works, Matanzas, Cuba.	July 18, 1907
HICKS, A. T. Local Manager Electric and Water Company, Limited, Trenton, Ontario.	June 8, 1909
Hicks, J. S. Superintendent Water Company, Berwick, Pa.	June 10, 1911

Highland, Scotland G. Secretary and Superintendent Water Works, Clarksburg, W. Va.	June 24, 1913
Hill, Albert B. Consulting Civil Engineer, P. O. Box 973, New Haven, Conn.	October 26, 1914
Hill, John W. Consulting Engineer, 506 First National Bank Building, Cincinnati, Ohio.	June 26, 1886
Hill, Jr., Nicholas S. Consulting Engineer, 100 William Street, New York, N. Y.	June 18, 1901
HILL, WILLIAM R. Consulting Engineer, 53 State Street, Albany, N. Y.	June 9, 1897
HILLER, J. A. Superintendent Distribution, Water Works, Cincinnati, O.	June 24, 1913
HILLES, T. ALLEN Water Commissioner, 1600 West Seventh Street, Wilmington, Del.	June 24, 1913
HILSCHER, RALPH Assistant Engineer Illinois State Water Survey, 120 Engineering Hall, Urbana, Ill.	November 1, 1914
HINDS, M. E. Assistant Chemist and Bacteriologist Food and Drugs Laboratory, Nashville, Tenn.	May 9, 1915
Hinkley, Robert L. Superintendent Water Company, Rensselaer, N. Y.	May 12, 1908
Hinman, Jack J. Assistant Director State Epidemiological Laboratory, 1 Bloom Terrace, Iowa City, Ia.	April 21, 1915
Hoad, William Christian Professor Sanitary Engineering, University of Michigan, Ann Arbor, Mich.	June 24, 1913
Hoagland, Ira Gould National Automatic Sprinkler Association, 80 Maiden Lane, New York, N. Y.	April 27, 1910
Hobby, Arthur, C E. P. O. Box 685, Guayaquil, Ecuador, S. A.	June 8, 1909
Hodgkins, H. C., C.E. 513 Dillaye Building, Syracuse, N. Y.	April 18, 1888
Hodges, Edgar City Hall, Johnstown, N. Y.	May 12, 1914

HODGMAN, BURT B., C.E.	July 18, 1907
50 Church Street, New York, N. Y.	July 16, 1907
HODKINSON, THOMAS Superintendent Water Works, 14 King Street, London, Ontario, Canada.	June 24, 1913
Hogarth, George Assistant Engineer Department Public Works, 514 Markham Street, Toronto, Ontario.	February 25, 1914
Hoge, Wm. L. Assistant Engineer Water Supply, Room 800 L. & N. Building, Louisville, Ky.	May 14, 1915
HOLLMAN, EDWARD E. Sanitary Chemist, 1412 Wright Street, St. Louis, Mo.	April 14, 1915
Holmes, A. G. P. O. Box 252, East Pittsburgh, Pa.	July 10, 1906
Hone, Frederic deP., C.E. 1 Liberty Street, New York, N. Y.	December 18, 1913
Hooper, Thomas N. Vice-President Water Company, Davenport, Iowa.	April 16, 1884
Hoopes, Jr., Edgar M., C.E. Chief Engineer Water Department, Wilmington, Del.	June 24, 1913
Hoover, Charles P. Chemist Filtration Plant, Columbus, Ohio.	June 24, 1913
HOPKINS, CHARLES COMSTOCK Hydraulic and Sanitary Engineer, 349 Cutler Build- ing, Rochester, N. Y.	June 10, 1911
HOPKINS, NEWTON F., C.E. 604 Second National Bank Building, Pittsburgh, Pa.	July 18, 1907
HOPPER, WALTER C. Superintendent, Aquackanonk Water Company, 145 Prospect Street, Passaic, N. J.	June 10, 1911
Horner, Charles M. Superintendent Water Works Company, 1705 State Street, East St. Louis, Ill.	June 24, 1903
Hornung, George Consulting, Civil and Mechanical Engineer, Wool- sack Building, Newport, Ky.	July 14, 1887
HORTON, ROBERT E. Hydraulic Engineer, 57 North Pine Avenue, Albany, N. Y.	June 10, 1911

Horton, Theodore Chief Engineer New York State Department of Health, 72 North Allen Street, Albany, N. Y.	July 18, 1907
Hostetler, William A. Superintendent Iowa City Water Works, 227 North Capitol Street, Iowa City, Ia.	May 8, 1915
House, G. O. Superintendent St. Paul Water Department, St. Paul, Minn.	April 27, 1910
Houston, George 716 Trimble Avenue, Kalamazoo, Mich.	June 7, 1904
Howell, David J., C.E. Union Trust Building, Washington, D. C.	October 23, 1914
HOWLAND, E. ROBERT, H.E. 50 Church Street, New York, N. Y.	April 22, 1914
Hubbell, Clarence W. Consulting Engineer, 2334 Dime Bank Building, Detroit, Mich.	June 24, 1903
Hudson, Leo Consulting Engineer, 3265 Piedmont Avenue, Pitts- burgh, Pa.	June 24, 1913
HUENINK, H. L. Chemist Illinois State Water Survey, Urbana, Ill.	November 1, 1914
Huggans, R. D. Chief Engineer Streator Aqueduct Company, Streator, Ill.	April 19, 1915
Huggins, D. E. Manager Water Works, Streator, Ill.	May 27, 1896
Humphrey, E. W. General Superintendent, 1117 Myrtle Street, Erie, Pa.	June 24, 1913
Hunter, Henry G. New York Continental Jewell Filtration Company, 15 Broad Street, New York, N. Y.	June 10, 1911
HUNTER, T. B. Consulting Engineer, 729 Rialto Building, San Francisco, Cal.	July 10, 1906
Hurb, C. H. Vice-President Indianapolis Water Company, 113 Monument Place, Indianapolis, Ind.	May 12, 1914
Hyde, Charles Gilman Room 101, Civil Engineers Bldg., University of Cal- ifornia, Berkeley, Cal.	July 18, 1907

HYMMEN, H. Superintendent Water Works, Berlin, Ontario.	June 8, 1909
INOUE, S. Chief Engineer Water Works, Yokohama, Japan.	July 18, 1907
IRVING, JR., THOMAS C. Vice-President Robert W. Hunt and Company, Limited, 1314 Traders Bank Building, Toronto, Ont.	June 10, 1911
IRWIN, RALPH EDWARD Assistant Engineer, State Department of Health, Harrisburg, Pa.	June 8, 1909
IRWIN, THOMAS E. 50 Church Street, New York, N. Y.	June 10, 1911
Isaac, F. N. Secretary and General Manager The Hanford Water Company, Hanford, Cal.	May 12, 1908
IVES, HOWARD CHAPIN Professor Railroad Engineering, Worcester Poly- technic Institute, Worcester, Mass.	June 24, 1913
Jackson, Daniel D. Sanitary Expert, Engineers Building, Columbia University, New York, N. Y.	April 27, 1910
Jackson, Robert A. Superintendent Insurance and Water Company, Norristown, Pa.	June 24, 1903
JACKSON, PERRY R. F. D. No. 1, Lodi, Cal.	April 27, 1910
Jacobson, Andrew Chemist Meter Water District of Omaha, Florence, Neb.	March 28, 1914
James, Claude L. City Engineer, Superintendent Water Works, City Building, Mattoon, Ill.	March 4, 1915
Jarvis, Alexander Charles 42 Pickwick Road, Dulwich, London, England.	January 5, 1914
JENNINGS, CHARLES A. Superintendent Filtration Union Stock Yard and Transit Company, Chicago, Ill.	May 12, 1908
JENSEN, J. ARTHUR Engineer Water Works Department, Engineer's Department, City Hall, Minneapolis, Minn.	June 10, 1911
JENSEN, J. CHRIS. Municipal Water Works, Council Bluffs, Iowa.	June 4, 1912

Johnson, George A. Consulting Engineer, 150 Nassau Street, New York, N. Y.	July 18, 1907
Johnson, H. B. General Manager Sheffield Company, Sheffield, Ala.	June 24, 1913
Johnson, M. F. Superintendent Water Department, 501 West Front St., Oil City, Pa.	June 24, 1913
Johnson, William S., C.E. 101 Tremont Street, Boston, Mass.	October 26, 1914
Jones, A. J. P. O. Box 273, New Brunswick, N. J.	April 16, 1884
Jones, Burke Superintendent Water Works, Hattiesburg, Miss.	June 24, 1913
Jones, Grandville R. Associate in Civil Engineering, Johns Hopkins University, Baltimore, Md.	May 12, 1908
JONES, HIRAM F. Superintendent Water Works, 823 Walnut Street, Elmira, N. Y.	July 18, 1907
JONES, J. W. Manager Water Works, Selma, Ala.	April 27, 1910
JONES, WILLIAM CLAYTON 426 Market Street, Camden, N. J.	May 12, 1914
Jones, William Nelson, C.E. City Engineer's Office, Minneapolis, Minn.	August 19, 1914
JORDAN, EDWIN O. Professor of Bacteriology University of Chicago, Chicago, Ill.	October 26, 1914
JORDAN, FRANK C. Secretary Water Company, 113 Monument Place, Indianapolis, Ind.	June 10, 1911
JORDAN, J. A. Manager, Cambridge, Md.	May 12, 1914
Judd, W. A. Superintendent Water Works, 620 South Main Street, Mason City, Ia.	
Kastberg, Karl C. City Engineer and Superintendent Water Works, Boone, Iowa.	June 7, 1904
KAY, EDGAR B. Consulting Engineer, Tuscaloosa, Ala.	April 27, 1910

Keeler, H. E. Room 633, The Rookery, Chicago, Ill.	July 14, 1887
Keiser, D. H. General Manager Sinking Spring Water Company, Reading, Pa.	May 12, 1908
Kellogg, Robert M. Superintendent Bergen Aqueduct Company, Ridgewood, N. J.	April 23, 1915
Kelly, Earl W. care of Water Light Department, Duluth, Minn.	June 4, 1912
Kerr, H. O. Secretary Kerr Engine Company, Walkerville, Ontario, Canada.	April 27, 1910
Kieffer, Stephen E. Consulting Engineer, Mechanics Institute Building, San Francisco, Cal.	June 4, 1912
Kienle, John A. Sanitary Engineer, 25 Madison Avenue, New York, N. Y.	June 8, 1909
Kiersted, Wynkoop Consulting Engineer, 640 Midland Building, Kansas City, Mo.	June 8, 1909
KILLAM, SAMUEL E. Superintendent Pipe Lines and Reservoirs, 1 Ashburton Place, Boston, Mass.	November 24, 1914
KILPATRICK, JOHN D., C.E. 30 Church Street, New York, N. Y.	June 4, 1912
Kimball, Frank C. General Manager Commonwealth Light and Water Company, Summit, N. J.	June 11, 1902
Kimberly, A. Elliott Hydraulic and Sanitary Engineer, 8 East Long Street, Columbus, Ohio.	May 14, 1915
Kinnaird, Robert N. care of Des Moines Water Company, Des Moines, Iowa.	June 4, 1912
Kirk, Clarence L. President Indianapolis Water Company, 113 Monument Place, Indianapolis, Ind.	June 8, 1909
KIRKPATRICK, WALTER GILL City Engineer, Birmingham, Ala.	April 27, 1910
KIRSTEIN, A. F. Superintendent Water Works, Rahway, N. J.	June 10, 1911
KITTREDGE, HARRY CHANDLER Hydraulic and Sanitary Engineer, 815 German In- stitute Building, Rochester, N. Y.	May 12, 1914

KLEIN, WILLIAM I. Resident Engineer New York Continental Jewell Filtration Company, 313 East Tenth Street, Kansas City, Mo.	June 24, 1913
KLINGBERG, W., C.E. 50 Church Street, New York, N. Y.	July 10, 1906
Kneen, A. H., C.E. 112 North Broad Street, Philadelphia, Pa.	June 10, 1911
KNICKERBACKER, JOHN, C.E. President Eddy Valve Company, 86 First Street, Troy, N. Y.	June 24, 1913
KNIGHT, GERALD WILSON Sanitary Engineer, 1272 Virginia Avenue, Lakewood, Ohio.	May 12, 1915
Knowles, Clarence R. Superintendent Water Department, I. C. R. R., 6241 Ellis Avenue, Chicago, Ill.	June 24, 1913
Knowles, Morris Consulting Engineer, Pittsburgh, Pa.	July 18, 1907
KNOX, STUART K. 100 William Street, New York, N. Y.	June 8, 1909
Kohn, C. L. Commissioner, City Hall, Elgin, Ill.	June 24, 1913
KONTKOVSKI, EUGENE B. Consulting Engineer, 4 Erteleff Str. Petrograd, Russia.	January 12, 1915
Kreiger, Albert A. Engineer Paradise Construction Company, 1141 Cherokee Road, Louisville, Ky.	April 22, 1914
Kriegsheim, Heinrich Room 1503, 30 East 42nd Street, New York, N. Y.	May 14, 1915
KYLE, JOHN I. Purchasing Agent American Pipe and Construction Company, 5315 Locust Street, Philadelphia, Pa.	May 12, 1914
LATOURRETTE, FREDERICK, C.E. Engineer in Charge Jersey City Water Works, 444 Jersey Avenue, Jersey City, N. J.	December 30, 1914
LACOUNT, H. O. Engineer and Assistant Secretary Inspection Department, Factory Mutual Insurance Company, 124 College Avenue, West Somerville, Mass.	May 12, 1908
LANCE, OSCAR M. General Manager The Spring Brook Water Company, P. O. Box 124, Wilkesbarre, Pa.	July 18, 1907
LANDMANN, L. B. Superintendent Capital City Water Company, Jefferson City, Mo.	September 19, 1914

Landry, J. A. President Railway Light and Water Works Company, Lake Charles, La.	April 27, 1910
LANGELIER, W. F. Inspector Illinois State Water Survey, Urbana, Ill.	November 1, 1914
LARMON, FRANK P. Chief Engineer Consolidated Water Company, 1137 Sunset Avenue, Utica, N. Y.	April 22, 1914
LAUTZ, W. E. Secretary and Manager Pekin Water Works Company, Pekin, Ill.	May 27, 1896
Lawlor, Francis D. H. Superintendent Citizens Water Company, Burlington, Iowa.	July 10, 1906
LAWTON, RALPH W. Manager Jewel Export Filter Company, 10 Clive Street, Calcutta, India.	July 10, 1906
LAYNE, M. E. care of the Layne Bowler Company, Houston, Texas	June 4, 1912
Lea, Richard S. Consulting Engineer, 820 New Birks Building, Montreal, Canada.	May 12, 1908
LEAF, C. E. Chief Chemist C. B. and Q. R. R. Laboratory, Aurora, Ill.	April 19, 1915
LEDDEN, ERNEST M. 115 Worth Street, New York, N. Y.	June 4, 1912
LEDERER, DR. ARTHUR Sanitary District of Chicago, 4123 Drexel Boulevard, Chicago, Ill.	February 25, 1914
LEDERLE, ERNST J., PH. D. 39 West 38th Street, New York City.	May 12, 1908
Ledoux, J. W. Chief Engineer, American Pipe and Construction Company, 112 North Broad Street, Philadelphia, Pa.	July 18, 1907
LEE, CHARLES H. Hydraulic Engineer, 1014 Central Building, Los Angeles, Cal.	June 24, 1913
LEET, J. N. Superintendent Water Department, North East, Pa.	June 10, 1911
LEINBACH, A. E. Water Commissioner, 314 Oley Street, Reading, Pa.	July 18, 1907

Leisen, Theodore A. General Superintendent Board of Water Commissioners, Detroit, Mich.	June 7, 1904
LEOPOLD, F. B. Farmers Bank Building, Pittsburgh, Pa.	May 12, 1914
Letton, H. P. Sanitary Engineer U. S. Marine Hospital, 4133 Clarendon Street, Chicago, Ill.	January 12, 1915
Levering, W. A. Standard Asphalt and Rubber Company, 944 First National Bank Building, Chicago, Ill.	July 10, 1906
Levy, A. G. Assistant Director New Orleans Purification Plant, 8417 Panola Street, New Orleans, La.	April 27, 1910
Lewis, J. M. Superintendent Parks and Public Property, Sioux City, Iowa.	June 24, 1913
Lewis, R. E. Superintendent Water Works, Elizabeth City, N. C.	May 12, 1908
Lightfoot, Jr., J. C. New Jersey Water Service Company, 1307 Real Estate Trust Building, Philadelphia, Pa.	June 23, 1914
LINDSTROM, E. A. Superintendent Water Works, Aberdeen, Wash.	September 19, 1914
LITCH, M. B. Superintendent and Chemist Filtration Plant, Steelton, Pa.	May 12, 1914
LITTLE, BEEKMAN C. Superintendent Water Works, 44 City Hall, Rochester, N. Y.	June 24, 1903
Livizey, W. B. President Newport News Light & Water Company, Newport News, Va.	May 14, 1915
LOCHRIDGE, ELBERT E. Engineer Water Department, 43 Bridge Street, Springfield, Mass.	July 10, 1906
LOFTON, H. M. Chattanooga, Tenn.	June 4, 1912
Long, George J. President Inter-State Water Company, Louis-ville, Ky.	April 23, 1915
Long, James H. City Hall, Camden, N. J.	May 12, 1914

Longley, Francis F. 42nd Street Building, New York, N. Y.	July 18, 1907
Longley, Frederick J. Bacteriologist and Chemist Western New York Water Company, Niagara Falls, N. Y.	December 1, 1913
Longworthy, Jr., Homer Dayton Superintendent Water Works, Macon, Ga.	May 14, 1915
LOOMIS, E. L. Superintendent Valparaiso Home Water Company, Valparaiso, Ind.	July 10, 1906
LORD, JR., FRANKLIN B. Queens County Water Company, Cedarhurst, Long Island, N. Y.	June 10, 1911
LORD, HARRY A. Superintendent Water Works, Ogdensburg, N. Y.	June 24, 1903
LOUNSBURY, WILLIAM C. General Superintendent Filtration Plant, 1518 Tower Avenue, Superior, Wis.	May 12, 1908
Lovejoy, William H. Louisville Water Company, Louisville, Ky.	June 4, 1912
Lowe, Stanley J. Superintendent Water Works Department, Clarks-ville, Tenn.	April 27, 1910
Lucas, Hugh L. Superintendent Water Pipe Extension, 802 City Hall, Chicago, Ill.	April 27, 1910
Luce, Francis H. Superintendent Woodhaven Water Supply Company, Woodhaven, N. Y.	May 12, 1914
Ludlow, J. L. Consulting Engineer, Winston-Salem, N. C.	June 7, 1904
Luscombe, William Superintendent Water Department, Gary, Ind.	May 12, 1908
Lyons, B. F. Vice-President and General Manager Beloit Water, Gas and Electric Company, Beloit, Wis.	May 12, 1908
Lyon, Henry L. Deputy Water Commissioner, Buffalo, N. Y.	June 24, 1903
Lyon, William H. Superintendent Water Works, 64 Martine Avenue, White Plains, N. Y.	June 10, 1911
McAlpine, A. H. General Western Agent Hersey Manufacturing Company, 211 Schultz Building, Columbus, Ohio.	April 17, 1889

McCabe, H. Dallas 800 Downer Avenue, Monessen, Pa.	May 12, 1908
McCarthy, Daniel B. Superintendent Water Works, Waterford, N. Y.	June 27, 1905
McCarty, William Superintendent Water Works, Bluefield, W. Va.	May 12, 1908
McClenahan, W. T. Superintendent Water Works, New Kensington, Pa.	May 12, 1914
McClintock, James R. 170 Broadway, New York, N. Y.	January 27, 1914
McCue, W. F. care of Colorado Fuel and Iron Company, Boston Building, Denver, Colo.	June 7, 1897
McDonald, Charles E. Superintendent Water Works, Waterbury, Conn.	June 10, 1911
McDonnell, Robert E. 821-26 Scarritt Building, Kansas City, Mo.	June 24, 1913
McFarland, Chester R. Secretary and Superintendent Water Works Company, Tampa, Fla.	May 12, 1908
McGiboney, J. H. Middleborough Water Works, Middleborough, Ky.	May 14, 1915
McGonigale, William J. P.O. Box 2360, Louisville, Ky.	June 4, 1912
McGrath, F. R. Superintendent Water Works, City Hall, Chambers-burg, Pa.	May 12, 1914
McInnes, F. A. Division Engineer Public Works Department, 23 Salcombe Street, Dorchester, Mass.	May 12, 1914
McIntosh, William 32 Central Argentine Rly. Calle Bantolome Nitro No. 299, Buenos Ayres, Argentina.	June 24, 1913
McKim, Robert Albert Assistant Engineer New Croton Aqueduct, 65 West 88th Street, New York, N. Y.	June 4, 1912
McLaughlin, George E., M.D. Sanitary Expert and Bacteriologist, 41 Crescent Avenue, Jersey City, N. J.	June 24, 1913
McMillan, Thomas Chief Engineer City Pumping Station, 610 Stowell Avenue, Milwaukee, Wis.	June 8, 1909

McNamee, T. W. Superintendent Water Company, Wabash, Ind.	June 24, 1903
McRae, H. C. Dime Savings Bank Building, Detroit, Mich.	April 27, 1910
McReynolds, B. B. Superintendent Water Works, City Hall, Colorado Springs, Colo.	May 12, 1914
McWilliams, C. C. Superintendent Bureau of Water, 447 Franklin Street, Schenectady, N. Y.	April 16, 1914
McWilliams, C. Q. President Roaring Creek Water Company, P.O. Box 85, Shamokin, Pa.	June 18, 1901
MacCallum, Alexander W. 26 South Third Street, Philadelphia, Pa.	June 4, 1912
MacDonald, Emmett Superintendent Water and Light Company, Lin- coln, Ill.	June 7, 1904
MacGonigle, Dr. John N. Superintendent Water Works, Miami, Fla.	May 12, 1908
Machen, Henry B. Borough Engineer, Department Water Supply, Gas and Electricity, Muncipal Building, New York, N. Y.	May 12, 1908
Mackay, J. M. Superintendent Water Works, Regina, Saskatchewan.	June 24, 1913
Magner, William Chief Engineer Water Works, Cairo, Ill.	May 8, 1915
Main, Geo. A. Superintendent Water Works, Daytona, Fla.	April 27, 1910
Malcomson, A. S., C.E. 37 Railroad Avenue, Freeport, N. Y.	June 4, 1912
Mallalieu, Willard C. Civil and Sanitary Engineer, 494 Bergen Avenue, Jersey City, N. J.	December 30, 1914
Malleis, O. O. Chemist Iron Mountain Railway, 1023 West Third Street, Little Rock, Ark.	November 10, 1914
Manahan, Elmer G., C.E. Municipal Building, New York, N. Y	June 8, 1909
Mangold, John F., C.E. Assistant Professor Engineering, Box 84, Grinnel, Iowa.	June 24, 1913

Manley, Samuel C. President and General Manager Maine Water Company, Augusta, Me.	June 24, 1903
Manville, F. D. Local Manager Newport News Light and Water Company, Newport News, Va.	June 18, 1901
Manz, Louis C., M.E. Assistant Engineer and Superintendent Water Works, Atlantic City, N. J.	June 8, 1909
MARK, EDGAR H., M.D., 626 Lathrop Building, Kansas City, Mo.	December 18, 1913
MARPLE, WILLIAM M. Consulting Engineer, Scranton, Pa.	June 27, 1905
Marsden, Arthur B. Superintendent and Treasurer Water Company, Manchester Center, Vt.	May 12, 1908
Martin, A. M. Waco, Texas.	May 12, 1908
Martin, J. C. Attorney for Ohio Water Works Association, 8 East Long Street, Columbus, Ohio.	May 14, 1915
Mason, Dr. W. P. Professor of Chemistry Rensselaer Polytechnic Institute, Troy, N. Y.	May 18, 1892
MATTE, HUBERT P. T. Superintendent Water Department, Municipal Building, Oak Park, Ill.	June 4, 1912
Maurice, George Holbrooke, C.E. Eagle Springs, N. C.	June 10, 1911
MAURY, DABNEY H. Consulting Engineer, 1137-8 Monadnock Block, Chicago, Ill.	August 22, 1894
MAVITY, J. W., C.E. Lyndon, Kans.	May 14, 1915
MAYO, WILLIAM B. Secretary and General Manager Hoover Owens Rentschler Company, Hamilton, Ohio.	June 4, 1912
Mead, Daniel W., C.E. 120 West Gorham Street, Madison, Wis.	April 17, 1889
Meckley, Earle W. Assistant City Engineer, Allentown, Pa.	March 28, 1914
Mellen, A. F. Chemist in Charge Water Purification Plant, Citico Station, Chattanooga, Tenn.	April 23, 1915

Mellon, T. A. President Kensington Water Company, 514 Smith- field Street, Pittsburgh, Pa.	June 24, 1903
Merrill, O. C. care of Forest Service, Atlantic Building, Washington, D. C.	June 8, 1909
Messer, Richard Sanitary Engineer, State Department of Health, 1110 Capitol Street, Richmond, Va.	June 10, 1911
Metcalf, Leonard Consulting Civil Engineer, 14 Beacon Street, Boston, Mass.	June 24, 1903
MEYERS, A. H. Superintendent Water Company, Columbia, Pa.	June 24, 1903
MICHIE, JOHN C., C.E. Superintendent Water Company, Durham, N.C.	June 24, 1903
MIDDLEMISS, GEORGE A., C.E. Supervisor of Plumbing, 602 Carondelet Street, New Orleans, La.	April 27, 1910
MILLER, CLIFFORD N. Hydraulic Engineer, 2807 Union Central Building, Cincinnati. Ohio.	May 14, 1915
MILLER, EDWIN E. Assistant Superintendent Power Plants, Hacken- sack Water Company, Weehawken, N. J.	March 28, 1914
MILLER, HIRAM ALLEN Consulting Engineer, 8 Beacon Street, Boston, Mass.	June 10, 1911
MILLER, J. A. Superintendent Water Works, 10 West Third Street, Alton, Ill.	June 8, 1909
MILLER, MARSHALL Room 740, 608 South Dearborn Street, Chicago, Ill.	May 12, 1908
MILLER, MELVILLE N. Superintendent Lafayette Water Works, Lafayette, Ind.	May 14, 1915
MILLER, WALTER EDWARD 1719 Madison Street, Madison, Wis.	June 4, 1912
MILLIGAN, R. E. Chemist, 15 Broad Street, New York, N. Y.	June 11, 1902
MILNE, ALEXANDER Superintendent Water Works, St. Catharines, Ontario, Canada	June 24, 1903

MINOB, EDWARD EASTMAN Superintendent New Haven Water Company, 91 Temple Street, New Haven, Conn.	June 4, 1912
MITCHELL, CHARLES HAMILTON, C.E. 1003 Traders Bank Building, Toronto, Canada	June 10, 1911
MITCHELL, GEORGE Assistant Engineer, Water Engineer's Office, Aberdeen, Scotland	June 24, 1913
MITCHELL, NEWTON Superintendent Water Works, Paris, Ky.	June 24, 1913
MOAT, CHARLES P. Chemist Vermont State Board of Health, 184 Church Street, Burlington, Vt.	April 9, 1915
Mohlman, F. W. Assistant Chemist, Illinois State Water Survey, Urbana, Ill.	November 1, 1914
Molis, William Superintendent Water Works, Muscatine, Iowa	March 15, 1882
Monfort, Wilson F. Consulting Chemist, 506 North Vandeventer Ave., St. Louis, Mo.	July 10, 1906
Montoulieu, Henry J., C.E. 398-Calle 17-Vedado, Havana, Cuba	June 4, 1912
Moody, Burdett Chief Engineer South Coast Land Company, Carlsbad, San Diego County, Cal.	June 24, 1913
Moore, George H. Superintendent Suburban Water Company, Verona, Pa.	May 12, 1908
MOORE, JOHN M. Consulting Engineer, Carling Block, London, Ontario.	July 10, 1906
Moore, John W. Consulting Engineer, 3342 North Illinois Street, Indianapolis, Ind.	May 14, 1915
Moore, Landon C. Chemist and Bacteriologist, 209½ Lane Street, Dallas, Tex.	May 14, 1915
Morgan, Henry B. Manager Peoria Water Works Company, 129 North Jefferson Avenue, Peoria, Ill.	October 16, 1914
Morris, John S. Auditor Louisville Water Company, Louisville, Ky.	June 10, 1911

Morse, Robert B. Chief Engineer State Board of Health, 16 West Saratoga Street, Baltimore, Md.	May 8, 1915
Mory, A. V. H. Chemical Director, Department 217, Sears, Roe-buck & Company, Chicago, Ill.	November 1, 1914
Mundy, Ambrose Superintendent Middlesex Water Company, Woodbridge, N. J.	March 28, 1914
MURPHY, A. R., C.E. Fountain City, Tenn.	June 10, 1911
Murphy, L. E. Superintendent Water Department, Jacksonville, Fla.	May 12, 1914
Murray, H. E. Assistant Manager Water and Sewer Department, Honolulu, Hawaii.	May 8, 1915
MYERS, CORNELIUS T., M.E. 202 Scherer Building, Detroit, Mich.	June 8, 1909
NEARY, JOHN H. Superintendent Water Works, 816 North Chicago Avenue, South Milwaukee, Wis.	June 24, 1913
Nelson, Fred B. Assistant Engineer Department Water Supply, Gas and Electricity, 966 Anderson Avenue, Bronx, New York City, N. Y.	July 18, 1907
NEUT, GEORGE Chief Engineer Water Works, Santiago, Chili, South America.	June 10, 1911
Newlands, James A. Chemist, 11 Laurel Street, Hartford, Conn.	October 16, 1914
NewLing, J. B. Secretary and Treasurer Clearfield Water Company, Clearfield, Pa.	October 16, 1914
Newton, Howard D. President Water Works Company, 175 Broad Street, Norwich, N. Y.	June 24, 1903
Neylon, Leigh, C.E. First Mildura Irrigation Trust, Mildura, Victoria, Australia.	May 8, 1915
Nishioeda, Satoru Municipal Water Works, Tokyo, Japan.	October 16, 1914
Nissly, E. L. President Florin Water Company, Florin, Pa.	May 14, 1915

Nuebling, Emil L. Superintendent and Engineer Water Department, Reading, Pa.	May 29, 1895
Nye, S. A. Trustee Kennebec Water District, Fairfield, Me.	May 12, 1908
O'ROURKE, JAMES Superintendent of Water Works, Fulton, Ill.	November 24, 1914
O'SHAUGHNESSY, JERRY Superintendent Department of Water, Columbus, Ohio.	April 27, 1910
O'SHAUGHNESSY, M. M. City Engineer, 2732 Vallejo Street, San Francisco, Cal.	July 18, 1907
ORR, ALEXANDER, C.E. Chief Engineer Gloversville Water Works, Gloversville, N. Y.	July 18, 1907
Owens, Robert B., B.A., B.E. Government Buildings, Edmonton, Alberta, Canada	April 22, 1914
Park, William E., M.D. Commissioner of Health, Rockford, Ill.	April 14, 1915
PARKER, C. B. Assistant Superintendent Pipe System, Hacken- sack Water Company, Weehawken, N. J.	December 30, 1914
Parker, Charles T. Chief Engineer Alton Water Company, 346 Jefferson Street, Alton, Ill.	April 21, 1915
PARKER, E. E. City Engineer, Superintendent Water Works, Madison, Wis.	June 24, 1913
PARKER, JR., DR. FRANCIS L. Professor Chemistry and City Chemist, 40 Broad Street, Charleston, S. C.	May 12, 1908
PARKER, RUSSELL H. Assistant Engineer City Hall, Cincinnati, Ohio.	May 14, 1915
PARKIN, R. R. 369 St. Charles Street, Elgin, Ill.	April 9, 1915
PARKINSON, HENRY WATERWORTH City Engineer, Rockhampton, Queensland, Australia.	August 19, 1914
Parlin, Raymond W. 261 Broadway, New York, N. Y.	June 10, 1911
PARTRIDGE, ARCHIBALD FREDERICK Irrigation Trust Office, Mildura, Victoria, Australia.	November 19, 1914

PARR, S. W. Professor Applied Chemistry, University of Illinois, Urbana, Ill.	April 21, 1915
PATE, R. L. Manager City Water Company, Springfield, Mo.	June 10, 1911
Patterson, Wm. G. Superintendent, 20 Gerald Avenue, Highland Park, Mich.	May 14, 1915
Patton, W. A. President and Manager Water Company, Catletts-burg, Ky.	June 7, 1904
Payson, Edgar R. Manager Water Works, 32 Exchange Street, Portland, Me.	June 27, 1905
Pearse, Langdon The Sanitary District of Chicago, Karpen Building, 900 South Michigan Avenue, Chicago, Ill.	June 24, 1913
Peck, Ermon M. Consulting Engineer, Room 626, Connecticut Mutual Building, Hartford, Conn.	July 18, 1907
Peck, Warren O. Board of Water Commissioners, Dunkirk, N. Y.	July 28, 1914
Peeler, R. L. Superintendent Water Works, Coalinga, Cal.	June 8, 1909
PEENE, EDWARD L. Superintendent Water Works, Yonkers, N. Y.	June 18, 1901
PERRY, WILLIAM Hydraulic Engineer, Maplewood Avenue, Cote des Neiges, Montreal, Quebec.	June 26, 1886
PETERSON, EDWARD Manager Water Works and Light Plant, Crookston, Minn.	June 10, 1911
PHELPS, EARLE B. Chemist Hygienic Laboratory, Twenty-fifth and E Streets, Washington, D. C.	October 23, 1914
PHILIPPS, CHARLES W. 16 Sterrett Avenue, Covington, Ky.	June 24, 1913
PHILLIPS, CLIFFORD FRENCH Consulting Engineer, 715 International Life Build- ing, St. Louis, Mo.	April 9, 1915
PHILLIPS, HIRAM Consulting Engineer, 421 Liggett Building, St. Louis, Mo.	June 4, 1912

PHILLIPS, T. C. Water Works Engineer, 1003 City Hall, Chicago, Ill.	June 27, 1905
PITCHER, F. H. General Manager and Chief Engineer Montreal Water and Power Company, 62 Alliance Building, Montreal, Canada.	June 27, 1905
PITNEY, FREDERIC V., C.E. 21 South Street, Morristown, N. J.	November 19, 1914
PLATTNER, WILLIAM Consulting Engineer, North Attleboro, Mass.	April 27, 1910
POLGLAZE, R. A. Superintendent Water Works, Gadsden, Ala.	May 12, 1914
POLLARD, SBABURY G. Consulting Engineer, 3422 Burch Avenue, Cincinnati, O.	June 4, 1912
Pollard, W. D. Engineer Water Works, Pottsville, Pa.	May 18, 1892
POOLE, ALFRED D. Water Commissioner, 401 West Seventh Street, Wilmington, Del.	April 27, 1910
PORTER, JOHN LEWIS Director Purification, Sewage and Water Board, 8401 Pamola Street, New Orleans, La.	April 27, 1910
POTTER, ALEXANDER Consulting Engineer, 50 Church Street, New York, N. Y.	July 18, 1907
POTTER, CHARLES S. Purchasing Agent Water Company, Louisville, Ky.	April 27, 1910
POTTS, CLYDE Civil and Sanitary Engineer, 30 Church Street, New York, N. Y.	July 10, 1906
Powell, Alexander C. Chemist Bangor Filter Plant, Bangor, Me.	April 27, 1910
Powell, Shepherd T. Resident Chemist Baltimore County Water and Electric Company, 100 West Fayette Street, Baltimore, Md.	July 10, 1906
POWNALL, WILLIAM A Water Engineer Wabash R. R., Decatur, Ill.	May 8, 1915
Pracy, Geo. Wesley Assistant Superintendent Department Operation and Maintenance, 1069 Church Street, San Francisco, Cal.	May 14, 1915

PRATT, CHARLES City Engineer and Superintendent Water Works, 1315 South Santa Fé Avenue, Chanute, Kans.	May 14, 1915
Pray, John W. Superintendent Water Works, Ft. Dodge, Ia.	June 24, 1913
PRICE, ALBERT E. Superintendent Mechanical Construction, 228 W. Twenty-ninth Street, Norfolk, Va.	May 12, 1908
Prince, George T., C.E. Omaha Water Board, Omaha, Neb.	July 10, 1906
Provst, Andrew J., Jr. Sanitary Expert and Hydraulic Engineer, 39-41 West 38th Street, New York, N. Y.	May 12, 1908
PRUETT, G. C., C.E. City Engineer and Superintendent Water Works, Box 673, Miles City, Mont.	February 25, 1914
Pugh, Marshall R., C.E. 601 Witherspoon Building, Philadelphia, Pa.	April 27, 1910
Purcell, Stewart Assistant Engineer Filtration Division, Water Department, Hilton and Baker Streets, Walbrook, Baltimore, Md.	May 12, 1914
Purdy, J. H. care of American Water Works and Electric Company, 50 Broad Street, New York, N. Y.	May 27, 1896
QUICK, ALFRED MERRITT, C.E. 725 Munsey Building, Baltimore, Md.	June 18, 1901
QUINN, M. P. Fidelity Building, Philadelphia, Pa.	May 12, 1914
RACE, JOSEPH City Bacteriologist and Chemist, Ottawa, Canada.	May 12, 1914
RADER, R. P. Superintendent Lehigh Water Company, Easton, Pa.	May 12, 1908
RAINS, J. M. Superintendent Water Works, Lebanon, Ky.	May 12, 1908
Randall, W. H. Superintendent Maintenance, Department Water Works, 188 Albany Avenue, Toronto, Ont.	June 8, 1909
RANDOLPH, ROBERT ISHAM Secretary and Treasurer Isham Randolph and Company, 1870-72 West Adams Street, Chicago, Ill.	March 28, 1914

RANDOLPH, Jr., W. C. N. Superintendent Water Works, Lynchburg, Va.	June 11, 1902
RAPP, W. M. Superintendent Construction Water Department, Atlanta, Ga.	May 17, 1899
RAYMOND, ALFRED General Manager Drainage, 1324 Nashville Avenue, New Orleans, La.	April 27, 1910
Reagan, Jr., John F. 1137 Park Avenue, Utica, N. Y.	July 10, 1906
RECTOR, FRANK LESLIE, M.D. Bacteriologist, 36 Forty-first Street, Brooklyn, N.Y.	April 16, 1914
REED, D. A. Manager Water and Light Department, Duluth, Minn.	June 24, 1913
Reid, Walter Superintendent Water Works, Springfield, Ill.	April 19, 1915
Reimer, Arthur A. Superintendent Water Department, City Hall, East Orange, N. J.	May 12, 1908
Relph, O. S. Superintendent San José Water Company, San José, Cal.	May 14, 1915
Reyer, George 1703 18th Avenue, South Nashville, Tenn.	April 16, 1884
REYNOLDS, S. H. Civil Engineer, 901 Boyd Building, Winnipeg, Man.	March 28, 1914
REYNOLDSON, W. C. Chief Engineer Goldfields Water Supply Administration, Perth, West Australia.	June 8, 1909
RHYNUS, CLARENCE PAULDING Sanitary Bacteriologist Hygienic Laboratory, Washington, D. C.	June 4, 1912
RICE, P. D. Engineer San José Water Company, San José, Cal.	May 14, 1915
RIDER, JOSEPH B. Consulting Engineer, 26 Broadway, New York, N. Y.	May 12, 1914
RINGNESS, HENRY Assistant to Manager Peoria Water Works Company, 129 North Jefferson Street, Peoria, Ill.	April 23, 1915

RITCHIE, EDGAR GOWAR Engineer of Water Supply, Metropolitan Board of Works, Melbourne, Australia.	June 24, 1913
ROBERTS, WILLIAM J. Chief Engineer Inter-County River Improvement, 401 Court House, Tacoma, Wash.	October 23, 1914
Robertson, Geo. H. Superintendent Water Works, Yarmouth, N. S.	April 18, 1888
ROBINSON, LEONARD C. Superintendent Water and Sewer Department, Concord, Mass.	July 18, 1907
ROBINSON, WM. P. President the Denver Union Water Company, Denver, Colo.	June 7, 1897
ROCHE, J. E. Manager Montana Water Company, Billings, Mont.	June 10, 1911
ROHNE, PAUL E. Chief Engineer Water Works, Great Falls, Mont.	June 24, 1913
Rohrbach, Wm. R. Manager Sunbury Water Company, Sunbury, Pa.	July 10, 1906
Roos, Charles M. Superintendent Cairo Water Company, Cairo, Ill.	June 24, 1913
Rosamond, S. J. care of B. H. Martin, Fort Smith, Ark.	June 15, 1898
Rosentreter, Herman Principal Assistant Engineer Works, Water Depart- ment, City Hall, Newark, N. J.	March 12, 1908
Ross, Charles H. Superintendent Water Company, Waterloo, N. Y.	July 10, 1906
Ross, R. A. Consulting Engineer, 80 St. Francois Xavier Street, Montreal, Canada.	June 15, 1914
RUDDEROW, MAURICE B. Manager Merchantville Water Company, Merchantville, N. J.	June 25, 1914
Rust, C. H. City Hall, Victoria, B. C.	June 24, 1903
RUTTAN, H. N. City Engineer, Winnipeg, Manitoba.	May 12, 1908
RYAN, WILLIAM G. Sanitary Engineer, 95 Main Street, Florence, Mass.	April 27, 1910

SACKETT, ROBERT L. Professor Sanitary and Hydraulic Engineering Purdue University, Lafayette, Ind.	June 24, 1913
Salmon, C. B. Public Utility Broker, Beloit, Wis.	June 11, 1902
SALMON, FREDERICK WILLIAM Civil and Mechanical Engineer, 607 North 20th Street, Birmingham, Ala.	July 10, 1906
Salmond, James J. Manager Canadian Engineer, 62 Church Street, Toronto, Ont.	July 18, 1907
Sando, Will J. Water Works Commercial Consulting Engineer, care of Milwaukee Club, Milwaukee, Wis.	June 27, 1905
SANZENBACHER, GEORGE Engineer and Superintendent Department of Water, Newark, N. J.	June 27, 1905
Saunders, Frederick Walter Theo. Port Augusta, South Australia.	May 12, 1908
Saville, Charles Civil Engineer, 3612 Swiss Avenue, Dallas, Texas.	May 12, 1914
SAXE, CHARLES W. Chemist Filtration Plant, Waco, Texas.	October 23, 1914
SAYER, FRED D. Borough Engineer and Superintendent of Water, Brookville, Jefferson County, Pa.	April 22, 1914
Borough Engineer and Superintendent of Water,	April 22, 1914 May 12, 1914
Borough Engineer and Superintendent of Water, Brookville, Jefferson County, Pa. SCHARFF, MAURICE R. Principal Assistant Engineer, 2541 Olive Building,	
Borough Engineer and Superintendent of Water, Brookville, Jefferson County, Pa. SCHARFF, MAURICE R. Principal Assistant Engineer, 2541 Olive Building, Pittsburgh, Pa. SCHAUP, CHARLES E. Consulting Engineer, 36 South Seventeenth Street.	May 12, 1914
Borough Engineer and Superintendent of Water, Brookville, Jefferson County, Pa. SCHARFF, MAURICE R. Principal Assistant Engineer, 2541 Olive Building, Pittsburgh, Pa. SCHAUP, CHARLES E. Consulting Engineer, 36 South Seventeenth Street, Harrisburg, Pa. SCHULZ, C. F. Chief Engineer Water Works, 6002 Clinton Avenue,	May 12, 1914 May 12, 1914
Borough Engineer and Superintendent of Water, Brookville, Jefferson County, Pa. Scharff, Maurice R. Principal Assistant Engineer, 2541 Olive Building, Pittsburgh, Pa. Schauf, Charles E. Consulting Engineer, 36 South Seventeenth Street. Harrisburg, Pa. Schulz, C. F. Chief Engineer Water Works, 6002 Clinton Avenue, N. W. Cleveland, Ohio. Schwabe, Walter P. General Manager, 15 Central Street, Thompson-	May 12, 1914 May 12, 1914 July 10, 1906

SEIBERT, JOSEPH Superintendent Water Works, St. Cloud, Minn.	June 4, 1912
SEMANS, CARL R. Manager Water, Light and Power Company, Washington, Ind.	June 8, 1909
SENIOR, SAMUEL PALMER Vice-President and Engineer Bridgeport Hydraulic Company, Bridgeport, Conn.	July 10, 1906
Settle, W. O. Superintendent and Manager Water Works, Murphysboro, Ill.	April 9, 1915
Shaffer, George H. Superintendent Water Works, Martinsburg, W. Va.	June 24, 1913
SHARP, JR., JOHN T. Superintendent Electric Light and Water Company, Canton, Miss.	April 27, 1910
Shaw, A. W. Superintendent Water Works, Brandon, Manitoba, Canada.	June 10, 1911
Shaw, Benjamin F. Water Commissioner, Wilmington, Del.	June 24, 1913
Shaw, F. H. Civil, Hydraulic and Sanitary Engineer, 310 Brene- man Building, Lancaster, Pa.	May 12, 1908
SHAW, WALTER A. President American Engineering and Construction Company, 912 Ashland Block, 59 Clarke Street, Chicago, Ill.	July 10, 1906
Shepherd, A. B. Second Vice-President Woodlawn Water Company, Pittsburgh, Pa.	May 27, 1896
Shepperd, F. W. Fire and Water Engineering, 154 Nassau Street, New York, N. Y.	April 18, 1888
SHERMAN, CHARLES W. Consulting Engineer, 14 Beacon Street, Boston, Mass.	May 12, 1914
SHERMAN, L. K. Illinois Rivers and Lakes Commission, 1534 Transportation Building, Chicago, Ill.	April 14, 1915
SHERMAN, RICHARD U. President Consolidated Water Company, 234 Genesee Street, Utica, N. Y.	April 27, 1910

May 12, 1908
June 7, 1897
June 24, 1913
June 4, 1912
April 27, 1910
May 17, 1899
June 10, 1911
June 24, 1913
May 14, 1915
May 12, 1914
June 10, 1911
June 24, 1913
June 4, 1912
July 10, 1906
May 12, 1914
July 18, 1907
December 30, 1914
June 23, 1914

SMITH, E. WELLER Superintendent Water Works, City Hall, Glens Falls, N. Y.	May 8, 1915
SMITH, GORDON Z. Superintendent Water Works, Municipal Building, Middletown, Conn.	May 12, 1915
SMITH, J. WALDO Chief Engineer Board of Water Supply, Municipal Building, New York, N. Y.	June 15, 1898
SMITH, L. B. Manager Westmoreland Water Company, Greensburg, Pa.	October 16, 1914
SMITH, LESLIE C. Water Works Accountant, 2118 East 40th Street, Cleveland, O.	April 27, 1910
SMITH, OWEN T. Superintendent Water Works, Freeport, Ill.	September 7, 1893
SMITH, R. J. Superintendent Canadian Electric Water Power Company, Limited, Perth, Ontario.	June 10, 1911
SMITH, W. Z. General Manager Water Works, 442 Luckie Street, Atlanta, Ga.	April 27, 1910
SMOOT, L. D. Chief Engineer, Board of Bond Trustees, Water Works and Improvement Bonds, Jacksonville, Fla.	June 4, 1912
Snell, George H. 49 County Street, Attleboro, Mass.	July 10, 1906
Snow, Archie H. Superintendent Water Company, Montclair, N. J.	June 15, 1898
Solomon, Gabriel Roberts Consulting Engineer, 1622 Condler Building, Atlanta, Ga.	June 24, 1913
Sonderegger, Arthur L. Consulting Engineer, 635 Central Building, Los Angeles, Cal.	June 10, 1911
Soper, George A., Ph.D. Engineer and Chemist, 391 West End Avenue, New York, N. Y.	May 16, 1900
SOUDER, B. F. Superintendent Distribution, Atlantic City, N. J.	June 24, 1913
Spalding, George R. Chemist Hackensack Water Company, New Milford, N. J.	March 28, 1914
Spaulding, C. H. Chemist Filter Plant, Cristobal, Canal Zone.	January 12, 1915

Spaulding, W. J. Commissioner, Springfield, Ill.	November 1, 1914
SPEAKMAN, RICHARD EDWARD Civil Engineer, City Engineer, Brandon, Man- itoba, Canada.	April 27, 1910
SPEAR, WALTER E. 250 West 54th Street, New York, N. Y.	January 12, 1915
Spearen, George Superintendent Water Works, Warren, Ill.	April 23, 1915
Sperry, Walter A. Chemist Filteration Plant, Grand Rapids, Mich.	December 30, 1914
STANFIELD, A. C. Civil Engineer, Pana, Ill.	January 12, 1915
STAPLES, GEORGE T. Superintendent Water Works, 64 School Street, Dedham, Mass.	July 10, 1906
STEARNS, HARRINGTON P. care of Queens County Water Company, Far Rock-away, N. Y.	January 27, 1914
STEARNS, RALPH H. 1 Ashburton Place, Boston, Mass.	January 12, 1915
STEDMAN, B. F. Superintendent Water Works, Dubuque, Ia.	June 8, 1909
STERLING, JOE C. Superintendent Water Works, Munroe, Mich.	June 24, 1903
STEVENS, HAROLD C. Civil Engineer, 150 Nassau Street, New York, N. Y.	May 12, 1914
STEWART, J. A., C.E. 1113 Traction Building, Cincinnati, Ohio.	May 14, 1915
STICKNEY, G. F. Supervising Engineer New York State Barge Canal, Lyon Building, Albany, N. Y.	June 8, 1909
Storrie, William Chief Engineer, John verMehr Engineering Com- pany, 154 Simcoe Street, Toronto, Ont.	May 8, 1915
STOVER, FREDERICK H. Crescent Hill Filter, Louisville, Ky.	June 4, 1912
STRASSER, J. M. Superintendent South Division, Public Service Company of Northern Illinois, Joliet, Ill.	April 19, 1915
STREETER, C. H. Superintendent Water and Electric Plants, Cedar Falls, Ia.	May 8, 1915
STREETER, H. W. Sanitary Engineer U. S. Public Health Service, Third and Kilgour Streets, Cincinnati, Ohio.	May 8, 1915

STROMQUIST, W. G. with Sanitary District of Chicago, 6131 University Avenue, Chicago, Ill.	October 26, 1914
STROTHMAN, L. E. Engineer-in-Charge Pumping Engine Department, Allis-Chalmers Company, Milwaukee, Wis.	April 27, 1910
STURGES, LEE President Elmhurst Spring Water Company, Elmhurst, Ill.	March 4, 1915
Sullivan, C. J. Superintendent Water Works, P.O. Box 494, Chisholm, Minn.	June 24, 1913
SUTER, RUSSELL Civil Engineer Conservation Commission, Albany, N.Y.	October 16, 1914
SWITZER, JOHN A. Professor Hydraulic Engineering University of Tennessee, Knoxville, Tenn.	May 14, 1915
Symons, M. M. Chief Engineer Interstate Water Company, 1009 West Fairfield Street, Danville, Ill.	April 19, 1915
Taber, George Aymar Civil Engineer, 546 East 23d Street, Brooklyn, N. Y.	June 4, 1912
TALBOT, ARTHUR N. Professor Municipal and Sanitary Engineering, University of Illinois, Urbana, Ill.	August 22, 1894
TALBOTT, FRANK Superintendent, Secretary and Treasurer Water Works, Danville, Va.	June 7, 1904
TANNER, FRED W. Assistant Illinois State Water Survey, Urbana, Ill.	November 1, 1914
TARR, H. G. H. 400 Chestnut Street, Philadelphia, Pa.	June 10, 1911
TAYLOR, GEORGE R. Sanitary Chemist, 115 Wyoming Avenue, Scranton, Pa.	May 12, 1908
TAYLOR, HENRY W. Hydraulic and Sanitary Engineer, 100 State Street, Albany, N. Y.	January 27, 1914
TAYLOR, R. M. Vice-Mayor, City Commission, Jackson, Miss.	May 12, 1914
TAYLOR, SAMUEL A. Contracting and Constructing Engineer, 5th Floor, Second National Bank Building, Pittsburgh, Pa.	June 11, 1902

TAYLOR, W. E. Chief Engineer Water Company, Water Street and Big 4, Terre Haute, Ind.	July 18, 1907
THAYER, FREDERICK C. President Kennebec Water District, Waterville, Me.	May 12, 1908
THAYER, L. EUGENE Oakland and Machias Water Company, Waterville, Me.	June 10, 1911
THOMAS, D. G. Chief Engineer The Denver Union Water Company, Denver, Colo.	June 8, 1909
Thomas, J. Bosley Chemist and Bacteriologist City Water Department, Baltimore, Md.	November 10, 1914
THOMAS, ROBT. J. Superintendent Water Works, Lowell, Mass.	May 16, 1900
THOMPSON, CHARLES N. General Manager Bucks Hill Water Company, Bucks Hill Falls, Pa.	May 12, 1914
THORNELL, JOSEPH B. Chemist Broadway Pumping Station, Council Bluffs, Iowa.	October 16, 1914
Tighe, James L. Civil Engineer, Caledonian Building, Holyoke, Mass.	April 17, 1889
TILDEN, JAMES A. Mechanical Engineer Hersey Manufacturing Company, Boston, Mass.	April 17, 1889
Timonoff, V. E. 10 Shirokaia Street, Zarskoe Selo, near Petrograd, Russia.	May 12, 1914
Titus, C. E. General Manager Northfield Land and Water Company, P. O. Box 1053, Colorado Springs, Col.	June 24, 1913
TOAL, D. C. Editor Water and Gas Review, 35 Warren Street, New York, N. Y.	June 24, 1903
Todd, William Superintendent Electric Light and Water Works, Austin, Minn.	June 18, 1901
Tolman, Mayo 815 Virginia Avenue, Hagerstown, Md.	January 12, 1915
Tomlin, Jr., Robert K. Managing Editor Engineering Record, 239 West Thirty-ninth Street, New York, N. Y.	May 12, 1914

Tomlinson, Samuel 100 Robinson Road, Singapore, S. S.	July 14, 1887
TOWNSEND, E. R. Hydraulic Engineer, 175 West Jackson Boulevard, Chicago, Ill.	July 10, 1906
TOYNE, J. W. Superintendent Water Works, South Bend, Ind.	May 12, 1914
TRAUTWINE, JR., JOHN C. Civil Engineer, 257 South Fourth Street, Philadel- phia, Pa.	May 27, 1896
Trax, E. C. Chemist Filtration Plant, McKeesport, Pa.	June 10, 1911
TRETHAWAN, H. C. Under Secretary for Water Supply, 56 James Street, Perth, West Australia.	May 12, 1915
Tribus, Louis Lincoln Civil Engineer, 86 Warren Street, New York City.	May 12, 1908
Tristram, Thomas Chemist and Bacteriologist, 706 East Erie Avenue, Lorain, Ohio.	July 18, 1907
Trow, Linden C. Superintendent Water Works, Lake Forest, Ill.	June 4, 1912
Tuttle, Arthur S. Assistant Chief Engineer, Board of Estimate and Apportionment, Municipal Building, New York, N. Y.	July 10, 1906
VAN BUSKIRK, L. H. Assistant Engineer Ohio State Board of Health, Columbus, Ohio.	October 16, 1914
VanDuyne, J. Ralph 256 Mount Prospect Avenue, Newark, N. J.	June 27, 1905
Van Gilder, L. Engineer and Superintendent Water Department, City Hall, Atlantic City, N. J.	July 10, 1906
Van Loan, Seth M. 4334 Pine, Philadelphia, Pa.	May 12, 1914
VERMEULE, CORNELIUS C. Civil Engineer, Mail and Express Building, New York City, N. Y.	June 8, 1909
Vest, W. E. Superintendent Water Works, Charlotte, N. C.	June 10, 1911
VINAL, C. H. Consulting Engineer, 522 Sixty-eighth Street, West Allis, Wis.	June 24, 1913

Volkhardt, William 15 Townsend Avenue, Stapleton, N. Y.	June 11, 1902
von Recklinghausen, Max, Ph. D. 50 Broad Street, New York, N. Y.	April 16, 1914
VROOMAN; MORRELL Sanitary Engineer, Gloversville, N. Y.	June 24, 1913
Wagner, Bernard M. Assistant Engineer, Design and Construction, Dept. of Water, 145 Kenilworth Place, Brooklyn, N. Y.	November 24, 1914
Wagner, H. F. Chemist, Holly House, Corner Massachusetts and Seventh Avenue, Buffalo, N. Y.	May 12, 1914
Walden, A. E. Superintendent and Chief Engineer, 100 West Fayette Street, Baltimore, Md.	May 12, 1908
Walker, Albert J. Chief Engineer Water Works, Ambler, Pa.	February 25, 1914
Walker, Elton D. Consulting Engineer, Professor Hydraulic and Sanitary Engineering, The Pennsylvania State College, 16 Engineering Building, State College, Pa.	July 18, 1907
Wall, Edward E. Water Commissioner, 312 City Hall, St. Louis, Mo.	June 7, 1904
WALRADT, ARTHUR E. 26 Liberty Street, New York, N. Y.	January 27, 1914
Walsh, Patrick Chief Engineer Quindaro Station, 3109 Park Avenue, Kansas City, Mo.	March 28, 1914
Walt, H. K. Vice-President and General Manager Moreland Spring Water Company, Jenkintown, Pa.	May 12, 1914
Ware, John East Milton, Mass.	June 4, 1912
Waring, F. Holman Chemist Municipal Engineering Department, Corozal, C. Z., Panama.	April 14, 1915
WATERMAN, FAY L. Superintendent, 115 Jefferson Avenue, Endicott, N. Y.	February 25, 1914
WATKINS, THOMAS Mechanical Engineer, Johnstown, Pa.	May 18, 1892
WATTERS, GEORGE LAWRENCE Hydraulic Engineer Lehigh Valley R. R., South Bethlehem, Pa.	February 25, 1914

WEGMAN, EDWARD Corsulting Engineer, Park Row Building, New York, N. Y.	June 11, 1902
Wehr, Albert H. Secretary and Treasurer Baltimore County Water and Electric Company, Baltimore, Md.	June 18, 1901
Wells, George M. Resident Engineer Division Municipal Engineering, Isthmian Canal Commission, Gatun, C. Z.	June 24, 1913
Wells, J. N. Superintendent Wichita Water Works, Wichita, Kan.	July 18, 1907
Wells, William F. Sanitary Chemist Hygienic Laboratory, Washington, D. C.	June 24, 1913
West, Francis D. Chemist Torresdale Laboratory, Torresdale, Phila- delphia, Pa.	February 25, 1914
West, Geo. F. President Biddeford and Saco Water Company, Portland, Me.	June 4, 1912
West, Vernon F. Treasurer Rensselaer Water Company, Box 868, Portland, Me.	June 25, 1914
Weston, Robert Spurr Consulting Sanitary Engineer, 14 Beacon Street, Boston, Mass.	June 15, 1898
Westover, George D. General Manager Water and Light Company, Cadillac, Mich.	June 10, 1911
WHEELER, Gen'l Elbert Treasurer Knoxville Water Company, 14 Beacon Street, Boston, Mass.	June 24, 1903
WHEELER, ROBERT C. Assistant Engineer for George W. Fuller, P. O. Box 588, Plainfield, N. J.	October 23, 1914
WHEELER, SAMUEL Superintendent Water Company, Ashland, Wis.	June 24, 1903
WHEELER, WILLIAM Consulting Civil Engineer, 14 Beacon Street, Boston, Mass.	July 10, 1906
WHIPPLE, GEORGE C. Consulting Engineer, Pierce Hall, Harvard University, Cambridge, Mass.	June 7, 1904

ACTIVE MEMBERS

WHITE, GILBERT C. Civil Engineer, Durham, N. C.	May 12, 1908
White, Warren M. Assistant Superintendent Bergen Water Company, Ridgewood, N. J.	March 28, 1914
Whitlock, Augustus N. Highland Park, New Brunswick, N. J.	June 4, 1912
WHITMAN, ALLEN E. Treasurer Hackensack Water Company, Englewood, N. J.	October 16, 1914
WHITNEY, CHARLES M. Secretary, 728 Montgomery Street, San Francisco, Cal.	June 24, 1913
WHITTAKER, H. A. Assistant Director Laboratory Division, State Board of Health, Minneapolis, Minn.	June 24, 1913
Wickham, James T. Aqueduct Construction, 43 St. Famille Street, Montreal, Canada.	April 16, 1914
Wicks, Thomas J. Superintendent Water Works, Hempstead, L. I., N. Y.	May 12, 1908
Wight, H. C. Superintendent Division Water, Dayton, O.	May 14, 1915
Wigley, Chester G. Civil Engineer, Assistant State Board of Health, State House, Trenton, N. J.	April 27, 1910
WILCOX, FRANK L. Consulting Engineer, Syndicate Trust Building, St. Louis, Mo.	May 12, 1914
WILCOX, WILLIAM A. Scranton, Pa.	May 12, 1914
WILCOX, WILLIAM F. Superintendent Central Water Works, Ensley, Ala.	April 27, 1910
WILES, C. W. Superintendent Water Works, Delaware, Ohio.	May 17, 1899
WILHELM, GEORGE Chief Engineer People's Water Company, Oakland, Cal.	June 24, 1913
WILKE, CHARLES L. H. 149 Herman Street, P. O. Station G., Philadelphia, Pa.	May 12, 1908
Wilkinson, James H. Superintendent Water Works, Bellaire, O.	May 14, 1915

WILLARD, ERNEST C. Civil Engineer, 841 Henry Building, Seattle, Wash.	October 23, 1914
WILLETT, J. F. Superintendent Water Works, Billings, Mont.	May 9, 1915
WILLETT, WALLACE 100 William Street, New York, N. Y.	June 24, 1913
Williams, C. B. Hydraulic and Sanitary Engineer, 54 West Randolph Street, Chicago, Ill.	November 19, 1914
WILLIAMS, GARDNER S. Consulting Engineer, 207 New Engineering Building, Ann Arbor, Mich.	July 10, 1906
WILLIAMS, HOWARD L. Superintendent Water Works, Ludington, Mich.	August 22, 1894
WILLIAMSON, CLIFF T. Water Commissioner, 2554 Houston Road, Macon, Ga.	June 24, 1913
WILSON, EDGAR K. Assistant Engineer, care of The Pitometer Company, 25 Elm Street, New York, N. Y.	June 24, 1913
WILSON, HORACE President and General Manager, 404 South Clayton Street, Wilmington, Del.	May 12, 1914
Wilson, James B. Chief Engineer and Superintendent, Louisville Water Company, Louisville, Ky.	April 14, 1915
Wilson, John City Engineer, Duluth, Minn.	April 27, 1910
WINGFIELD, NISBET Consulting Engineer, Augusta, Ga.	June 10, 1911
Winslow, C. E. A. Director Division Publicity and Education, New York State Department of Health, 25 West 45th Street, New York, N. Y.	April 21, 1915
Winslow, Frederic I. Engineer of Extension, 607 City Hall Annex, Boston, Mass.	October 16, 1914
Winslow, W. H. Vice-President and General Manager Superior Water, Light and Power Company, Superior, Wis.	June 8, 1909
Wolfe, R. A., C.E. Virden, Ill.	April 23, 1915

ACTIVE MEMBERS

Wood, Walter President Milville Water Company, 400 Chestnut Street, Philadelphia, Pa.	June 7, 1904
Woodburn, William F. 201 Devonshire St., Boston, Mass.	June 24, 1903
Woods, Charles S., M.D. Professor Preventive Medicine and Hygiene, University of Iowa, Iowa City, Ia.	May 8, 1915
WOOLFOLK, HENRY E. Superintendent Water Works, Danville, Ky.	June 4, 1912
Worrell, M. L. General Manager Water Works, Meridian, Miss.	June 24, 1903
WORTHEN, JESSE M. Superintendent Charleston Light and Water Company, 14 George Street, Charleston, S. C.	June 8, 1909
WRIGHT, JOHN BERTRAM Civil Engineer, Commissioner of Public Works, 29 Romeyn Avenue, Amsterdam, N. Y.	July 28, 1914
WYNNE-ROBERTS, R. O. P. O. Box 65, Regina, Saskatchewan.	June 24, 1903
Wyse, F. C. Engineer and Superintendent Sewers and Water Works, Columbia, S. C.	June 10, 1910
Yeager, A. J. Dunn Building, Buffalo, N. Y.	May 12, 1908
Yeakel, D. Dawson Superintendent, Oak Lane, Philadelphia, Pa.	May 12, 1914
YEREANCE, W. B. Consulting Engineer, 128 Broadway, New York, N. Y.	June 4, 1912
Young, A. A. Superintendent Water Works, Jewett City, Conn.	October 23, 1914
Young, C. C. Director State Water Survey, Lawrence, Kansas.	January 27, 1914
Young, Wm. R. Registrar Water Works, City Hall, Minneapolis, Minn.	June 8, 1909

CORPORATE MEMBERS

AGUA PURA COMPANY 701 Douglas Avenue, East Las Vegas, N. M.	June 8, 1909
AKRON CITY WATER WORKS 58 S. Howard Street, Akron, Ohio.	June 24, 1913
ALEXANDRIA WATER Co. Alexandria, Va.	June 8, 1909
Anacortes Water Co. Anacortes, Wash.	June 8, 1909
AUBURN WATER DEPARTMENT Auburn, N. Y.	June 10, 1911
Baton Rouge Water Works Company Baton Rouge, La.	April 16, 1914
BIRMINGHAM WATER COMPANY Derby, Conn.	October 16, 1914
Brantford Water Commissioners Brantford, Ont.	June 10, 1911
Bureau of Sanitary Engineering State Board of Health, Bowling Green, Ky.	April 9, 1915
BUREAU OF WATER WORKS AND SUPPLY 660 S. Hill St., Los Angeles, Calif.	June 8, 1909
CEDAR RAPIDS WATER COMMISSIONERS Cedar Rapids, Iowa.	June 24, 1913
Charleston Light and Water Company Charleston, S. C.	June 4, 1912
CITIZENS WATER SUPPLY Co. Elmhurst, Long Island, N. Y.	June 8, 1909
CITY OF AMSTERDAM Department Public Works, Amsterdam, N. Y.	June 8, 1909
COLUMBIA WATER AND LIGHT COMPANY Columbia, Tenn.	May 10, 1914
Commissioner of Public Property Newport, Ky.	June 4, 1912
Corning Water Works	June 24, 1913

Donnelly, John President, Board of Fire and Water Commissioners, City Hall, Kansas City, Mo.	May 8, 1915
Eaglesmere Water Company Eaglesmere, Pa.	April 22, 1914
East Chicago Department of Health, A. W. Hedrick, Chemist and Inspector, East Chicago, Ind.	April 14, 1915
East Orange Board of Water Commissioners, East Orange, N. J.	June 8, 1909
ELMIRA WATER BOARD, Mr. Clay W. Holmes, President Elmira, N. Y.	April 19, 1915
ERIE COMMISSIONERS WATER WORKS City Hall, Erie, Pa.	June 10, 1911
Evansville Water Works Evansville, Ind.	June 8, 1909
Excelsior Springs Water, Gas and Electricity Co. Excelsior Springs, Mo.	June 4, 1912
GALT WATER COMMISSION Galt, Ontario, Canada.	June 24, 1913
Grand Rapids Board Public Works Grand Rapids, Mich.	June 24, 1913
Hanover and McSherry Water Company Newport, Pa.	May 10, 1914
Hopkinsville Water Company Hopkinsville, Ky.	May 9, 1915
LaCrosse Board of Public Works LaCrosse, Wis.	June 10, 1911
LAKE CHARLES RAILWAY, LIGHT AND WATER WORKS Co. Lake Charles, La.	April 27, 1910
London Water Board London, Canada.	June 8, 1909
LOUISVILLE WATER Co. 549 Third St., Louisville, Ky.	June 8, 1909
Memphis Artesian Water Dept. Memphis, Tenn.	June 8, 1909
METROPOLN. Bd. WATER SUPPLY AND SEWAGE Sidney, Australia.	June 8, 1909
METROPOLITAN WATER DISTRICT Omaha, Neb.	June 24, 1913

Mobile City Commissioners Mobile, Ala.	June 10, 1911
Mount Carmel Water Co Mount Carmel, Pa.	June 8, 1909
MOUNTAIN WATER COMPANY 114 South Front Street, Milton, Pa.	May 10, 1914
NEW ALBANY WATER WORKS New Albany, Ind.	April 27, 1910
OWEGO WATER WORKS COMPANY OWEGO, N. Y.	April 22, 1914
PENNICHUCK WATER WORKS 144 Main Street, Nashua, N. H.	October 31, 1914
Peterborough Water Commissioners 127 Simcoe St., Peterborough, Ont.	June 10, 1911
Public Service Department 575 Broadway, Glendale, Cal.	December 30, 1914
Reno Power, Light and Water Company Reno, Nev.	June 24, 1913
ROANOKE WATER Co. Roanoke, Va.	June 8, 1909
Saginaw Water Dept. Saginaw, Mich.	June 8, 1909
San Diego Department of Water San Diego, Calif.	June 10, 1911
San José Water Company San José, Cal.	June 24, 1913
SCRANTON GAS AND WATER Co. 115 Wyoming Ave., Scranton, Pa.	June 4, 1912
South Bend Water Department South Bend, Ind.	April 9, 1915
SOUTH EASTON WATER Co. 102 South Third St., Easton, Pa.	June 4, 1912
SPOKANE WATER DIVISION City Hall, Spokane, Wash.	June 4, 1912
St. Thomas Water Commissioners St. Thomas, Ont.	June 8, 1909
Steelton Water Department Steelton, Pa.	June 8, 1909
STRATFORD WATER COMMISSIONERS Stratford, Ont.	April 27, 1910

CORPORATE MEMBERS

Suffern Water Commissioners Suffern, N. Y.	June 10, 1911
Sweetwater Water Co. National City, Calif.	June 8, 1909
TAGONA WATER AND LIGHT Co. Sault St. Marie, Ont.	June 8, 1909
TEMPLE WATER WORKS Temple, Texas.	April 27, 1910
Trafford Water Co. 201 Westinghouse Building, Pittsburgh, Pa.	June 8, 1909
TRENTON WATER WORKS Trenton, N. J.	June 8, 1909
TRI-CITIES WATER Co. 514 Smithfield St., Pittsburgh, Pa.	June 8, 1909
URBAN WATER SUPPLY Co. 60 Wall St., New York, N. Y.	June 4, 1912
WACO WATER WORKS City Hall, Waco, Texas.	April 27, 1910
Water Works Department Anaconda Copper Mining Co., Anaconda, Mont.	April 27, 1910
Waterloo Water and Light Con'n Waterloo, Ont., Canada.	April 9, 1915
Watertown Water Works Watertown, N. Y.	June 8, 1909
Western New York Water Company 704 Electric Building, Buffalo, N. Y.	June 24, 1913
WILLIAMSPORT WATER Co. 28 Fourth St., Williamsport, Pa.	June 8, 1909

ASSOCIATE MEMBERS

Addressograph Company 901 West Van Buren Street, Chicago, Ill.	July 10, 1906
Alberger Pump and Condenser Company 140 Cedar Street, New York, N. Y.	June 10, 1911
Allis-Chalmers Manufacturing Company Milwaukee, Wis.	June 27, 1905
American Bitumastic Enamels Company 17 Battery Place, New York, N. Y.	June 24, 1913
American Car and Foundry Company Berwick, Columbia County, Pa.	June 4, 1912
American Cast Iron Pipe Company Birmingham, Ala.	July 18, 1907
American Foundry and Manufacturing Company 10th, 11th, Hebertt and Wright Streets, St. Louis, Mo.	May 12, 1908
American Pipe and Construction Company 112 North Broad Street, Philadelphia, Pa.	June 24, 1903
American Steel and Wire Company The Rookery, Chicago, Ill.	June 24, 1903
AMERICAN VALVE AND METER COMPANY Cincinnati, O.	May 9, 1915
Anchor Packing Company 35 North Seventh Street, Philadelphia, Pa.	May 12, 1914
ANDERSON AND WHITE 2 Wall Street, New York, N. Y.	April 14, 1914
ARNOLD, HOFFMAN AND COMPANY, INC. 32 Broadway, New York, N. Y.	December 4, 1913
BADGER METER MANUFACTURING COMPANY 261 Third Street, Milwaukee, Wis.	June 8, 1909
Baldwin, Robert C. Secretary C. Lee Cook Manufacturing Company, 916 Eighth Street, Louisville, Ky.	May 14, 1915
BAUSHER, THOMAS D. Water Works Lead Furnace, Church and Woodward Streets, Reading, Pa.	June 4, 1912

ASSOCIATE MEMBERS

Berg, J. D. Vice-President Dravo Doyle Company, Diamond Bank Building, Pittsburgh, Pa.	May 12, 1914
THE BERKSHIRE MANUFACTURING COMPANY Cleveland, O.	May 9, 1915
BIRCH VALVE AND MANUFACTURING COMPANY 3719 Broadway, Chicago, Ill.	May 12, 1914
BOURBON COPPER AND BRASS WORKS COMPANY 618 East Front Street, Cincinnati, Ohio.	April 17, 1889
THE BOWLER FOUNDRY COMPANY 1692 Columbus Road, Cleveland, O.	May 9, 1915
BOYD AND BROTHER, INCORPORATED, JAMES 25th and Wharton Streets, Philadelphia, Pa.	June 10, 1911
Buffalo Meter Company 290 Terrace, Buffalo, N. Y.	June 27, 1905
Builders' Iron Foundry 9 Codding Street, Providence, R. I.	June 18, 1901
CENTRAL FOUNDRY COMPANY 37 Wall Street, New York, N. Y.	June 24, 1903
CHAPMAN VALVE MANUFACTURING COMPANY Indian Orchard, Mass.	April 16, 1884
CHICAGO BRIDGE AND IRON COMPANY 1402-105th corner Throop Streets, Chicago, Ill.	June 15, 1898
CLARK COMPANY, H. W. 115 South 17th Street, Mattoon, Ill.	May 12, 1908
CLOW AND SONS, J. B. Harrison and Franklin Streets, Chicago, Ill.	April 27, 1885
Cochrane Chemical Company 55 Kilby Street, Boston, Mass.	July 10, 1906
Coldwell-Wilcox Company Newburgh, N. Y.	April 16, 1914
Colorado Fuel and Iron Company Denver, Colo.	June 7, 1897
Columbian Iron Works Chattanooga, Tenn.	April 27, 1910
Cook, A. D. Manufacturer Well Pumps and Strainers, Lawrenceburg, Ind.	February 17, 1915
Darling Pump and Manufacturing Company, The Williamsport, Pa.	May 12, 1908

JOSEPH DIXON CRUCIBLE COMPANY Jersey City, N. J.	May 14, 1915
Dresser Manufacturing Company, S. R. Manufacturing Pipe Couplings and Sleeves, Bradford, Pa.	June 7, 1904
East Jersey Pipe Company, The 50 Church Street, New York, N. Y.	July 10, 1906
EDDY VALVE MANUFACTURING COMPANY Waterford, N. Y.	June 26, 1886
ELECTROLYTIC PURIFICATION COMPANY Eighth and Wallace Streets, Philadelphia, Pa.	June 4, 1912
EYNON EVANS MANUFACTURING COMPANY, THE Fifteenth and Clearfield Streets, Philadelphia, Pa.	May 12, 1914
FARNAN BRASS WORKS 23 Centre Street, Cleveland, Ohio.	May 18, 1892
Ford, James T. Assistant Manager, 618-620 East Front Street, Cincinnati, O.	March 4, 1915
FORD METER BOX COMPANY Wabash, Ind.	May 12, 1908
FOSTER AND HOSLER 431 South Dearborn Street, Chicago, Ill.	June 4, 1912
Fox and Company, John 253 Broadway, New York City, N. Y.	June 8, 1909
GARLOCK PACKING COMPANY Palmyra, N. Y.	May 12, 1908
GENERAL CHEMICAL COMPANY 113 West Adams Street, Chicago, Ill.	June 11, 1902
GILLESPIE, T. A. President T. A. Gillespie Company, 71 Broadway, New York, N. Y.	June 7, 1904
GLAMORGAN PIPE AND FOUNDRY COMPANY, THE Lynchburg, Va.	April 27, 1910
GLAUBER BRASS MANUFACTURING COMPANY 1643-1677 Superior Street, Cleveland, Ohio.	June 7, 1904
GOULD, NORMAN Secretary The Goulds' Manufacturing Company, Seneca Falls, N. Y.	July 10, 1906
GROVE ELECTRIC INDICATOR COMPANY 125 Thirteenth Street, Northeast, Washington, D. C.	June 24, 1913

Habrison Brothers and Company, Inc. Thirty-fifth Street and Grays Ferry Road, Philadel- phia, Pa.	May 12, 1908
HAYS MANUFACTURING COMPANY Erie, Pa.	March 15, 1882
HERSEY MANUFACTURING COMPANY South Boston, Mass.	July 14, 1887
HILL-TRIPP PUMP COMPANY Anderson, Ind.	June 10, 1911
Illinois Malleable Iron Company 30 West Monroe Street, Chicago, Ill.	May 21, 1890
International Filter Company 38 South Dearborn Street, Chicago, Ill.	May 9, 1915
INTERNATIONAL STEAM PUMP COMPANY 114 Liberty Street, New York, N. Y.	June 18, 1901
JARECKI CHEMICAL COMPANY Cincinnati, Ohio.	June 8, 1909
KALBFLEISCH COMPANY, FRANKLIN H. 31 Union Square, West, New York City, N. Y.	June 8, 1909
Kellogg and Company, E. H. 243 South Street, New York, N. Y.	July 14, 1887
KENNEDY VALVE MANUFACTURING COMPANY, THE F. H. Fairweather, Manager, Elmira, N. Y.	May 29, 1895
KENNICOTT COMPANY, THE Chicago Heights, Ill.	May 11, 1914
Kingsley, E. D. President Madison Avenue Building, New York, N. Y.	June 24, 1913
LEAD LINED IRON PIPE COMPANY, THE Wakefield, Mass.	June 15, 1898
LEADITE COMPANY, INCORPORATED, THE Land Title Building, Philadelphia, Pa.	April 27, 1910
LEAVITT-Jackson Engineering Company Woolworth Building, New York, N. Y.	October 16, 1914
Lennig and Company, Incorporated, Charles Bridesburg, Philadelphia, Pa.	June 4, 1912
LUDLOW VALVE MANUFACTURING COMPANY Troy, N. Y.	March 15, 1882
McFarlan, Charles E. President Wm. Powell Company, Cincinnati, O.	May 14, 1915

McGowan Company, John H., The 54-64 Central Avenue, Cincinnati, Ohio.	June 24, 1913
McQuistan, Andrew Nisbet Ironfounder, Craigward, Busby, near Glasgow, Scotland.	January 12, 1915
Massillon Iron and Steel Company, The Massillon, O.	June 4, 1912
MATTICE, ROYAL Sales Manager, 1004-6 Union Trust Building, Cincinnati, Ohio.	June 24, 1913
MILLAR AND SON COMPANY, CHARLES Utica, N. Y.	June 18, 1901
Modern Iron Works Quincy, Ill.	June 27, 1905
MUELLER MANUFACTURING COMPANY, H. Decatur, Ill.	March 15, 1882
MULTIPLEX MANUFACTURING COMPANY Berwick, Pa.	May 11, 1914
National Meter Company 84-86 Chambers Street, New York, N. Y.	March 15, 1882
National Water Main Cleaning Company 50 Church Street, New York, N. Y.	July 10, 1906
NEPTUNE METER COMPANY 90 West Street, New York, N. Y.	August 27, 1894
New Brunswick Iron Works New Brunswick, N. J.	April 27, 1910
New York Continental Jewell Filtration Company 15 Broad Street, New York, N. Y.	April 18, 1891
Norwood Engineering Company Florence, Mass.	May 9, 1915
PACIFIC FLUSH TANK COMPANY 920 Singer Building, New York, N. Y.	June 10, 1911
PENNSYLVANIA SALT MANUFACTURING COMPANY, THE 115 Chestnut Street, Philadelphia, Pa.	June 24, 1903
PERMUTIT COMPANY, THE 30 East Forty-second Street, New York, N. Y.	April 14, 1914
PITOMETER COMPANY, THE 220 Broadway, New York, N. Y.	July 10, 1906
PITTSBURG FILTER MANUFACTURING COMPANY Farmers Bank Building, Pittsburgh, Pa.	June 27, 1905

PITTSBURG METER COMPANY East Pittsburgh, Pa.	June 15, 1898
PITTSBURGH-DES MOINES STEEL COMPANY Pittsburgh, Pa.	April 24, 1914
PLATT IRON WORKS COMPANY Dayton, Ohio.	June 18, 1901
PRATT & CADY COMPANY, INC., THE Lock Box 66, Station A, Hartford, Conn.	June 24, 1913
REISERT AUTOMATIC WATER PURIFYING COMPANY 30 Church Street, New York, N. Y.	June 24, 1913
RENSSELAER VALVE COMPANY Troy, N. Y.	May 21, 1890
RICKERSBERG BRASS COMPANY, THE Cleveland, Ohio.	June 10, 1911
Roberts, Charles V. President Roberts Filter Manufacturing Company, Darby, Philadelphia, Pa.	April 27, 1910
Ross Valve Manufacturing Company Oakwood Avenue, Troy, N. Y.	April 15, 1891
S. E. T. VALVE AND HYDRANT COMPANY 50 Church Street, New York, N. Y.	June 4, 1912
Sanitary Company of America, The Linfield, Pa.	May 14,1914
Sanitation Corporation 50 Church Street, New York, N. Y.	May 9, 1915
SIMPLEX VALVE AND METER COMPANY 208 Chancell Street, Philadelphia, Pa.	May 12, 1914
SMITH MANUFACTURING COMPANY, ANTHONY P. East Orange, N. J.	June 7, 1897
SOUTHWARK FOUNDRY AND MACHINE COMPANY Washington Avenue and Fifth Street, Philadel- phia, Pa.	May 8, 1915
STANDARD ASPHALT AND RUBBER COMPANY 205 La Salle Street, Chicago, Ill.	May 12, 1908
Roe Stephens Manufacturing Company Detroit, Mich.	June 24, 1913
SULLIVAN MACHINERY COMPANY 122 South Michigan Avenue, Chicago, Ill.	April 23, 1915

TAYLOR COMPANY, W. P. 218 Ellicott Square, Buffalo, N. Y.	March 15, 1882
TEXAS COMPANY, THE 17 Battery Place, New York City, N. Y.	June 8, 1909
THOMSON METER COMPANY 100 Bridge Street, Brooklyn, N. Y.	April 15, 1891
Union Water Meter Company Worcester, Mass.	March 15, 1882
United Brass Manufacturing Company Cleveland, Ohio.	May 11, 1914
UNITED LEAD COMPANY 111 Broadway, New York, N. Y.	May 12, 1908
United States Cast Iron Pipe and Foundry Company 1421 Chestnut Street, Philadelphia, Pa.	June 11, 1902
VAN WINKLE, WALTER H. President and General Manager Water Works Equipment Company, Room 1950, 50 Church Street, New York, N. Y.	July 10, 1906
WALLACE AND TIERNAN COMPANY 136 Liberty Street, New York, N. Y.	May 9, 1915
WARREN FOUNDRY AND MACHINE COMPANY 11 Broadway, New York, N. Y.	June 10, 1911
Wolff, S. District Manager, DeLaval Steam Turbine Company, 629 Peoples Gas Building, Chicago, Ill.	April 9, 1915
WOOD AND COMPANY, R. D. 400 Chestnut Street, Philadelphia, Pa.	April 16, 1884
Woods, Floyd F. Sales Manager Epping Carpenter Pump Company, 1376 Montezuma Street, Pittsburgh, Pa.	May 14, 1915
WYCKOFF AND SON COMPANY, A. Elmira, N. Y.	July 18, 1907

GEOGRAPHICAL DISTRIBUTION OF MEMBERSHIP

ALABAMA

Active 9; Corporate 1; Associate 1; Total 11

ACTIVE

BIRMINGHAM	Decker, A. C. Kirkpatrick, W. G. Salmon, F. W.	SELMASHEFFIELDTUSCALOOSA	.Johnson, H.	В.
ENSLEY	Wilcox, W. F. Polglaze, R. A.	University		

CORPORATE

MOBILE. . Mobile City Commissioners

ASSOCIATE

BIRMINGHAM...American Cast Iron Pipe Co.

ARIZONA

Active 2; Total 2

		ACTIV	100		
FLAGSTAFF	Giclas, E	G. 1	MORENCI	. DuMoulin,	W. L.

ARKANSAS

Active 5; Total 5

ACTIVE

FORT SMITH	Bruce, W. H. Dove, F. J. Rosamond, S. J.	LITTLE ROCK PINE BLUFF	

CALIFORNIA

Active 31; Corporate 5; Honorary 1; Total 37

BERKELEY	Griswold, H. S. Hyde, C. G.		Brua, E. G. Campbell, H. A.
	Moody, B.		Cattell, W. A.
	Peeler, R. L.		Dockweiler, J. H.
	Isaac, F. N.		Elliott, G. A.
Lod1	Jackson, P.		Flaa, I. E.
	Dessery, F. G.	SAN FRANCISCO	Head, C. B.
Los Angeles	Finkle, F. C.		Hunter, T. B.
LOS ANGELES	Lee, C. H.		Kieffer, S. E.
	Sonderegger, A. L.		O'Shaughnessy,
	Shibley, E. H.		M. M.
OLETAND	$ \begin{cases} Gilman, C. E. \\ Wilhelm, G. \end{cases} $		Pracy, G. W.
OARLAND	Wilhelm, G.		Whitney, C. M.
PASADENA	Allin, T. D. Moody, B.	SAN JOSÉ	$ \begin{cases} \text{Relph, O. S.} \\ \text{Rice, P. D.} \end{cases} $
SACRAMENTO	Ehret, L. D.	STOCKTON	
	Ervast, A.		,

CORPORATE

GLENDALE,
Public Service Department
Los Angeles,
Bureau of Water Works & Supply

NATIONAL CITY,
Sweetwater Water Co.
San Diego Department of Water
San José Water Co.

HONORARY

BERKELEY.....LeConte, L. J.

COLORADO

Active 7; Associate 1; Total 8

ACTIVE

ASSOCIATE

DENVER.... Colorado Fuel & Iron Co.

CONNECTICUT

Active 11; Corporate 1; Associate 1; Honorary 1; Total 14

ACTIVE

	Senior, S. P.	NEW HAVEN	Minor, E. E.
HARTFORD	Newlands, J. A. Peck, E. M.	STAMFORD	
JEWETT CITY	Young, A. A.	TORRINGTON	
	Smith, G. Z.	WATERBURY	McDonald, C. E.
NEW HAVEN	Hill A R		

CORPORATE

DERBY.....Birmingham Water Co.

ASSOCIATE

HARTFORD, The Pratt & Cady Co. Inc.

HONORARY

NEW HAVEN...... Holly, Ira A.

DELAWARE

Active 6; Total 6

ACTIVE

DISTRICT OF COLUMBIA Active 9; Associate 1; Total 10

Washington	Doten, L. S. Gaub, J. Grove, E. H. Hardy, E. D. Howell, D. J.	WASHINGTON	Merrill, O. C. Phelps, E. B. Rhynus, C. P. Wells, W. F.
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Washington, Grove Electric Indicator Co.

FLORIDA

Active 7; Total 7

ACTIVE

DAYTONA	Main, G. A.	JACKSONVILLE	Smoot, L. D.
Jacksonville	Ellis, R. N. Hayes, W. D. Murphy, L. E.	MIAMI TAMPA	

GEORGIA

Active 10; Total 10

ACTIVE

	Clayton, R. M. Hazelhurst, J. N.	AUGUSTA Wingfield, N. La Grange Hazlehurst, G. H.
ATLANTA	Rapp. W. M. Smith, W. Z.	Macon { Longworthy, H. D., Jr. Williamson, C. C.
	Solomon, G. R.	SAVANNAHFigg, J. P.

ILLINOIS

Active 117; Associate 16; Total 133

	ACI	TAE	
ANNA AURORA CAIRO CANTON CARLINVILLE	Miller, J. A. Parker, C. T. Fitch, J. L. Habermeyer, G. C. Leaf, C. E. Magner, W. Roos, C. M. Gallagher, J. P. Castle, G. J. Amsbary, F. C.		Hecht, J. L. Jennings, C. A. Jordan, E. O. Keeler, H. E. Knowles, C. R. Lederer, A. Letton, H. P. Levering, W. A. Lucas, H. L. Maury, D. H.
CHAMPAIGN			Miller M
Chicago	Allen, W. H. Alvord, J. W. Bachman, F. Barnes, W. T. Bemis, E. W. Blauvelt, A. Burdick, C. B. Converse, W. A. Cooley, L. E. Davidson, G. M. DeBerard, W. W. Ericson, J. E. French, D. K. Gehrman, A. Gerber, W. D. Graham, D. Green, P. E. Haddon, S. C. Hardgrave, A.	DANVILLE DECATUR	Miller, M. Mory, A. V. H. Pearse, L. Phillips, T. C. Randolph, R. I. Shaw, W. A. Sherman, L. K. Shields, W. S. Smith, C. F. Stromquist, W. G. Townsend, E. R. Williams, C. B. TS Ashdown, E. H. Symons, M. M Pownall, W. A. Brown, W. McK. Gavett, W. Harper, E. F.

EAST ST. LOT	JIS Horner, C. M.	ROCKFORDPark, W. E.
EFFINGHAM.	Anderson, W. F.	Superpyville Chester C E
73	(Kohn, C. L.	Bennett, C. G.
ELGIN	{ Kohn, C. L. Parkin, R. R.	SPRINGFIELD Reid, W.
ELMHURST	Sturges, L.	Spaulding, W. J.
FAIRBURY	Sturges, L. Burns, T. W.	Huggans, D. R.
FREEPORT	Smith, O. T.	SPRINGFIELD SPRINGFIELD Bennett, C. G. Reid, W. Spaulding, W. J. Huggans, D. R. Huggins, D. E.
FILTON	O'Rourke, J.	TAYLORVILLE Dappert, J. W.
GARDNER	Cumming, C. S.	(Babbitt, H. E.
JOLIET	Strasser, J. M.	Bartow, E.
	Cobb, C. H.	Bartow, E. Corson, H. P.
	r Trow, L. C.	DeWolf, F. W.
LAWRENCEVII	LLEBass, G. W.	Enger, M. L.
LINCOLN	MacDonald, E.	Ferguson, H. F.
LITCHPIELD.	Davis, D.	Ferguson, H. F. Fleming, V. R. Hanford, W. W.
221 021 1220		Hanford, W. W.
MATTOON	Clark, H. W.	URBANA Hanson, P.
MARIA OUTTO	Clark, H. W. James, C. L.	Hilscher, R.
Mr. VERNON	Brandli, H. E.	Huenink, H. L.
MURPHYSBOR	o Settle W O	Langelier, W. F.
MT CARMEL	Barnhard P.	Mohlman, F. W.
OAK PARK	Matte H P T	Parr, S. W.
PANA	Barnhard, P. Matte, H. P. T. Stanfield, A. C.	Talbot, A. N.
		Tanner, F. W.
A 4944444444444444444444444444444444444	Crozier R	VIRDENWolfe, R. A.
PEOPLA	Morgan H B	WARREN Spearen, G.
I BOHIA	Ringness H	WAUKEGAN Allen W. J.
OHINCY	Gelston W R	Greeley S. A.
QUINCI	(Beckstrom R P	WAUKEGAN. Allen, W. J. WINNETKA. Greeley, S. A. Herdman, F. E.
Rockford	Crozier, R. Morgan, H. B. Ringness, H. Gelston, W. R. Beckstrom, R. P. Bulkeley, O.	(attitudity a . a.s.
	ASSOC	
	Addressograph Co.	Standard Asphalt &
	Addressograph Co. Amer. Steel & Wire Co.	Standard Asphalt & Rubber Co.
	ASSOC Addressograph Co. Amer. Steel & Wire Co. Birch Valve & Mfg. Co.	CHICAGO Sullivan Machinery
	ASSOC Addressograph Co. Amer. Steel & Wire Co. Birch Valve & Mfg. Co. Chicago Bridge & Iron	CHICAGO Sullivan Machinery Co.
	ASSOC Addressograph Co. Amer. Steel & Wire Co. Birch Valve & Mfg. Co. Chicago Bridge & Iron Co.	CHICAGO Standard Asphalt & Rubber Co. Sullivan Machinery Co. Wolff, S.
Chicago	ASSOC Addressograph Co. Amer. Steel & Wire Co. Birch Valve & Mfg. Co. Chicago Bridge & Iron Co. Clow & Sons, J. B.	CHICAGO Standard Asphalt & Rubber Co. Sullivan Machinery Co. Wolff, S. CHICAGO HEIGHTS, The Kennicott Co.
	ASSOC Addressograph Co. Amer. Steel & Wire Co. Birch Valve & Mfg. Co. Chicago Bridge & Iron Co. Clow & Sons, J. B. Foster & Hosler	CHICAGO Standard Asphalt & Rubber Co. Sullivan Machinery Co. Wolff, S. CHICAGO HEIGHTS, The Kennicott Co. DECATUR Mueller Mfg. Co., H.
	ASSOCIATION ASSOCIATION ASSOCIATION AMERICAN AME	CHICAGO Standard Asphalt & Rubber Co. Sullivan Machinery Co. Wolff, S. CHICAGO HEIGHTS, The Kennicott Co. DECATUR Mueller Mfg. Co., H. MATTOON Clark Co., H. W.
	ASSOC Addressograph Co. Amer. Steel & Wire Co. Birch Valve & Mfg. Co. Chicago Bridge & Iron Co. Clow & Sons, J. B. Foster & Hosler General Chemical Co. Ill. Malleable Iron Co.	CHICAGO Standard Asphalt & Rubber Co. Sullivan Machinery Co. Wolff, S. CHICAGO HEIGHTS, The Kennicott Co. DECATUR Mueller Mfg. Co., H.
	ASSOCIATION ASSOCIATION ASSOCIATION AMERICAN AME	CHICAGO Standard Asphalt & Rubber Co. Sullivan Machinery Co. Wolff, S. CHICAGO HEIGHTS, The Kennicott Co. DECATUR Mueller Mfg. Co., H. MATTOON Clark Co., H. W.
	ASSOCIATION ASSOCIATION ASSOCIATION AMERICAN AME	CHICAGO Standard Asphalt & Rubber Co. Sullivan Machinery Co. Wolff, S. CHICAGO HEIGHTS, The Kennicott Co. DECATURMueller Mfg. Co., H. MATTOONClark Co., H. W. QUINCYModern Iron Works
	ASSOCIATION ASSOCIATION ASSOCIATION AMERICAN AME	CHICAGO Standard Asphalt & Rubber Co. Sullivan Machinery Co. Wolff, S. CHICAGO HEIGHTS, The Kennicott Co. DECATUR Mueller Mfg. Co., H. MATTOON Clark Co., H. W.
	ASSOCIATION ASSOCIATION ASSOCIATION AMERICAN AME	CHICAGO Standard Asphalt & Rubber Co. Sullivan Machinery Co. Wolff, S. CHICAGO HEIGHTS, The Kennicott Co. DECATUR Mueller Mfg. Co., H. MATTOON Clark Co., H. W. QUINCY Modern Iron Works
	ASSOCIATION ASSOCIATION ASSOCIATION AMERICAN AME	CHICAGO Standard Asphalt & Rubber Co. Sullivan Machinery Co. Wolff, S. CHICAGO HEIGHTS, The Kennicott Co. DECATUR Mueller Mfg. Co., H. MATTOON Clark Co., H. W. QUINCY Modern Iron Works (ANA; Associate 3; Total 24
CHICAGO	ASSOCIATION ASSOCIATION ACT. Addressograph Co. Amer. Steel & Wire Co. Birch Valve & Mfg. Co. Chicago Bridge & Iron Co. Clow & Sons, J. B. Foster & Hosler General Chemical Co. Ill. Malleable Iron Co. International Filter Co. INDI Active 17; Corporate 4	CHICAGO Standard Asphalt & Rubber Co. Sullivan Machinery Co. Wolff, S. CHICAGO HEIGHTS, The Kennicott Co. DECATURMueller Mfg. Co., H. MATTOONClark Co., H. W. QUINCYModern Iron Works ANA ; Associate 3; Total 24
	ASSOCIATION ASSOCIATION ACT. Addressograph Co. Amer. Steel & Wire Co. Birch Valve & Mfg. Co. Chicago Bridge & Iron Co. Clow & Sons, J. B. Foster & Hosler General Chemical Co. Ill. Malleable Iron Co. International Filter Co. INDI Active 17; Corporate 4	CHICAGO Standard Asphalt & Rubber Co. Sullivan Machinery Co. Wolff, S. CHICAGO HEIGHTS, The Kennicott Co. DECATURMueller Mfg. Co., H. MATTOONClark Co., H. W. QUINCYModern Iron Works (ANA ; Associate 3; Total 24 IVE RICHMONDDill. H. A.
CHICAGO	ASSOCIANT AND ASSOCIANT AS	CHICAGO Standard Asphalt & Rubber Co. Sullivan Machinery Co. Wolff, S. CHICAGO HEIGHTS, The Kennicott Co. DECATURMueller Mfg. Co., H. MATTOONClark Co., H. W. QUINCYModern Iron Works (ANA ; Associate 3; Total 24 IVE RICHMONDDill. H. A.
CHICAGO	ASSOC Addressograph Co. Amer. Steel & Wire Co. Birch Valve & Mfg. Co. Chicago Bridge & Iron Co. Clow & Sons, J. B. Foster & Hosler General Chemical Co. Ill. Malleable Iron Co. International Filter Co. INDI Active 17; Corporate 4 Engle, S. G. Luscombe, W. Brown, C. C.	CHICAGO Standard Asphalt & Rubber Co. Sullivan Machinery Co. Wolff, S. CHICAGO HEIGHTS, The Kennicott Co. DECATUR Mueller Mfg. Co., H. MATTOON Clark Co., H. W. QUINCY Modern Iron Works ANA ; Associate 3; Total 24 IVE RICHMOND Dill, H. A. SOUTH BEND { Ayres, T. H. Toyne, J. W.
CHICAGO	ASSOC Addressograph Co. Amer. Steel & Wire Co. Birch Valve & Mfg. Co. Chicago Bridge & Iron Co. Clow & Sons, J. B. Foster & Hosler General Chemical Co. Ill. Malleable Iron Co. International Filter Co. INDI Active 17; Corporate 4 Engle, S. G. Luscombe, W. Brown, C. C.	CHICAGO Standard Asphalt & Rubber Co. Sullivan Machinery Co. Wolff, S. CHICAGO HEIGHTS, The Kennicott Co. DECATUR Mueller Mfg. Co., H. MATTOON Clark Co., H. W. QUINCY Modern Iron Works ANA ; Associate 3; Total 24 IVE RICHMOND Dill, H. A. SOUTH BEND { Ayres, T. H. Toyne, J. W.
CHICAGO	ASSOC Addressograph Co. Amer. Steel & Wire Co. Birch Valve & Mfg. Co. Chicago Bridge & Iron Co. Clow & Sons, J. B. Foster & Hosler General Chemical Co. Ill. Malleable Iron Co. International Filter Co. INDI Active 17; Corporate 4 ACT. Engle, S. G. Luscombe, W. Brown, C. C. Hurd, C. H. Jordan, F. C.	CHICAGO Standard Asphalt & Rubber Co. Sullivan Machinery Co. Wolff, S. CHICAGO HEIGHTS, The Kennicott Co. DECATUR Mueller Mfg. Co., H. MATTOON Clark Co., H. W. QUINCY Modern Iron Works (ANA ; Associate 3; Total 24 IVE RICHMOND Dill, H. A. SOUTH BEND { Ayres, T. H. Toyne, J. W. TERRE HAUTE { Gwinn, D. R. Taylor W. E.
CHICAGO	ASSOC Addressograph Co. Amer. Steel & Wire Co. Birch Valve & Mfg. Co. Chicago Bridge & Iron Co. Clow & Sons, J. B. Foster & Hosler General Chemical Co. Ill. Malleable Iron Co. International Filter Co. INDI Active 17; Corporate 4 ACT. Engle, S. G. Luscombe, W. Brown, C. C. Hurd, C. H. Jordan, F. C.	CHICAGO Standard Asphalt & Rubber Co. Sullivan Machinery Co. Wolff, S. CHICAGO HEIGHTS, The Kennicott Co. DECATUR Mueller Mfg. Co., H. MATTOON Clark Co., H. W. QUINCY Modern Iron Works ANA ; Associate 3; Total 24 IVE RICHMOND Dill, H. A. SOUTH BEND Ayres, T. H. Toyne, J. W. TERRE HAUTE Gwinn, D. R. VALPARAISO Loomis, E. L.
Chicago Gary Indianapolis	ASSOC Addressograph Co. Amer. Steel & Wire Co. Birch Valve & Mfg. Co. Chicago Bridge & Iron Co. Clow & Sons, J. B. Foster & Hosler General Chemical Co. Ill. Malleable Iron Co. International Filter Co. INDI Active 17; Corporate 4 ACT. Engle, S. G. Luscombe, W. Brown, C. C. Hurd, C. H. Jordan, F. C. Kirk, C. L. Moore, J. W.	CHICAGO Standard Asphalt & Rubber Co. Sullivan Machinery Co. Wolff, S. CHICAGO HEIGHTS, The Kennicott Co. DECATUR Mueller Mfg. Co., H. MATTOON Clark Co., H. W. QUINCY Modern Iron Works ANA ; Associate 3; Total 24 IVE RICHMOND Dill, H. A. SOUTH BEND { Ayres, T. H. Toyne, J. W. TERRE HAUTE { Gwinn, D. R. Taylor, W. E. VALPARAISO Loomis, E. L. WARREN Menney T. W.
Chicago Gary Indianapolis	ASSOC Addressograph Co. Amer. Steel & Wire Co. Birch Valve & Mfg. Co. Chicago Bridge & Iron Co. Clow & Sons, J. B. Foster & Hosler General Chemical Co. Ill. Malleable Iron Co. International Filter Co. INDI Active 17; Corporate 4 ACT. Engle, S. G. Luscombe, W. Brown, C. C. Hurd, C. H. Jordan, F. C. Kirk, C. L. Moore, J. W.	CHICAGO Standard Asphalt & Rubber Co. Sullivan Machinery Co. Wolff, S. CHICAGO HEIGHTS, The Kennicott Co. DECATUR Mueller Mfg. Co., H. MATTOON Clark Co., H. W. QUINCY Modern Iron Works ANA ; Associate 3; Total 24 IVE RICHMOND Dill, H. A. SOUTH BEND { Ayres, T. H. Toyne, J. W. TERRE HAUTE { Gwinn, D. R. Taylor, W. E. VALPARAISO Loomis, E. L. WARREN Menney T. W.
Chicago Gary Indianapolis	ASSOC Addressograph Co. Amer. Steel & Wire Co. Birch Valve & Mfg. Co. Chicago Bridge & Iron Co. Clow & Sons, J. B. Foster & Hosler General Chemical Co. Ill. Malleable Iron Co. International Filter Co. INDI Active 17; Corporate 4 ACT. Engle, S. G. Luscombe, W. Brown, C. C. Hurd, C. H. Jordan, F. C. Kirk, C. L. Moore, J. W.	CHICAGO Standard Asphalt & Rubber Co. Sullivan Machinery Co. Wolff, S. CHICAGO HEIGHTS, The Kennicott Co. DECATUR Mueller Mfg. Co., H. MATTOON Clark Co., H. W. QUINCY Modern Iron Works ANA ; Associate 3; Total 24 IVE RICHMOND Dill, H. A. SOUTH BEND { Ayres, T. H. Toyne, J. W. TERRE HAUTE { Gwinn, D. R. Taylor, W. E. VALPARAISO Loomis, E. L. WARREN Menney T. W.
Chicago Gary Indianapolis	ASSOC Addressograph Co. Amer. Steel & Wire Co. Birch Valve & Mfg. Co. Chicago Bridge & Iron Co. Clow & Sons, J. B. Foster & Hosler General Chemical Co. Ill. Malleable Iron Co. International Filter Co. INDI Active 17; Corporate 4 ACT. Engle, S. G. Luscombe, W. Brown, C. C. Hurd, C. H. Jordan, F. C.	CHICAGO Standard Asphalt & Rubber Co. Sullivan Machinery Co. Wolff, S. CHICAGO HEIGHTS, The Kennicott Co. DECATUR Mueller Mfg. Co., H. MATTOON Clark Co., H. W. QUINCY Modern Iron Works ANA ; Associate 3; Total 24 IVE RICHMOND Dill, H. A. SOUTH BEND Ayres, T. H. Toyne, J. W. TERRE HAUTE. Gwinn, D. R. Taylor, W. E. VALPARAISO Loomis, E. L. WABASH McNamee, T. W. WASHINGTON Semans, C. R.
GARY Indianapolis Lafayette East Chicag	ASSOCIANT AND ASSOCIANT AND ASSOCIANT ASSOCIANT AND ASSOCIANT ASSOCIANT ASSOCIANT ASSOCIANT ASSOCIANT ASSOCIANT ASSOCIANT ASSOCIATION ASSO	CHICAGO Standard Asphalt & Rubber Co. Sullivan Machinery Co. Wolff, S. CHICAGO HEIGHTS, The Kennicott Co. DECATUR Mueller Mfg. Co., H. MATTOON Clark Co., H. W. QUINCY Modern Iron Works ANA ; Associate 3; Total 24 IVE RICHMOND Dill, H. A. SOUTH BEND Ayres, T. H. Toyne, J. W. TERRE HAUTE. Gwinn, D. R. Taylor, W. E. VALPARAISO Loomis, E. L. WABASH McNamee, T. W. WASHINGTON Semans, C. R.
GARY Indianapolis Lafayette East Chicag	ASSOCIANT AND ASSOCIANT AND ASSOCIANT ASSOCIANT AND ASSOCIANT ASSOCIANT ASSOCIANT ASSOCIANT ASSOCIANT ASSOCIANT ASSOCIANT ASSOCIATION ASSO	CHICAGO Standard Asphalt & Rubber Co. Sullivan Machinery Co. Wolff, S. CHICAGO HEIGHTS, The Kennicott Co. DECATUR Mueller Mfg. Co., H. MATTOON Clark Co., H. W. QUINCY Modern Iron Works ANA ; Associate 3; Total 24 IVE RICHMOND Dill, H. A. SOUTH BEND Ayres, T. H. Toyne, J. W. TERRE HAUTE Gwinn, D. R. Taylor, W. E. VALPARAISO Loomis, E. L. WABASH McNamee, T. W. WASHINGTON Semans, C. R. ORATE NEW ALBANY
GARY Indianapolis Lafayette East Chicag East Chicag	ASSOC Addressograph Co. Amer. Steel & Wire Co. Birch Valve & Mfg. Co. Chicago Bridge & Iron Co. Clow & Sons, J. B. Foster & Hosler General Chemical Co. Ill. Malleable Iron Co. International Filter Co. INDI Active 17; Corporate 4 ACT. Engle, S. G. Luscombe, W. Brown, C. C. Hurd, C. H. Jordan, F. C. Kirk, C. L. Moore, J. W. Miller, M. N. Sackett, R. L.	CHICAGO Standard Asphalt & Rubber Co. Sullivan Machinery Co. Wolff, S. CHICAGO HEIGHTS, The Kennicott Co. DECATUR Mueller Mfg. Co., H. MATTOON Clark Co., H. W. QUINCY Modern Iron Works ANA Associate 3; Total 24 IVE RICHMOND Dill, H. A. SOUTH BEND Ayres, T. H. Toyne, J. W. TERRE HAUTE. Gwinn, D. R. Taylor, W. E. VALPARAISO Loomis, E. L. WABASH McNamee, T. W. WASHINGTON Semans, C. R.

South Bend Water Dept.

AndersonHill-Tripp Pump Co. LAWRENCEBURGCook, A. D.	WABASH Ford Meter Box Co.
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IOWA

Active 30; Corporate 1; Total 31

ACTIVE

AMES Evinger, M. 1.	DUBUQUE Stedman, B. F.
BOONE Kastberg, K. C.	FT. Dodge
BURLINGTON Lawlor, F. D. H.	GRINNELL
CARROLL	Albert, H.
CEDAR FALLS Streeter, C. H.	Dunlap, J. H.
Coppock, W.	IOWA CITY Hinman, J. J.
Etnyre, S. L.	Hostetler, W. A.
COUNCIL BLUFFS Ferguson, J. J.	Woods, C. S.
Jensen, J. C.	MASON CITYJudd, W. A.
Thornell, J. B.	MUSCATINE
Donahue, J. P.	OTTUMWA Brown, H. A.
DAVENPORT Fisher, D. G. Henderson, C. R.	SIOUX CITY
DES MOINES Kinnaird, R. N.	WATERLOO { Berry, J. P. Shoemaker, G. E.

CORPORATE

CEDAR RAPIDS	Cedar Ra	pids Water	Commissioners

KANSAS

Active 8; Total 8

ACTIVE

ATCHISON	Chisham, J. M.	LAWRENCE	Young, C. C.
CHANUTE	Pratt, C.	LYNDON	Mavity, J. W.
Lawnman	Bruckmiller, F. W. Haskins, C. A.	MANHATTAN	Conrad, L. E.
LAWRENCE	Haskins, C. A.	WICHITA	

KENTUCKY

Active 24; Corporate 4; Associate 1; Total 29

ACTIVE

CATLETTSBURG Patton, W. A.	Lovejoy, W. H.
COVINGTON Harton, W. H. Phillips, C. W.	McGonigale, W. J. Morris, J. S.
DANVILLE Woolfolk, H. E.	Potter, C. S.
FRANKFORTGriffin, J. D.	Stover, F. H.
HENDERSONSieber, W.	Wilson, J. B.
LEBANON	MIDDLEBOROUGH. McGiboney, J. H.
LEXINGTON	NEWPORT
LOUISVILLE Hoge, W. L. Kreiger, A. A.	PADUCAHBurnett, M. ParisMitchell, N.
Long, G. J.	WINCHESTERAttersall, C. F.

CORPORATE

BOWLING GREEN	LOUISVILLEI	ouisville Water Co.
Bureau of Sanitary Engineering HOPKINSVILLE		(Commissioner of
Hopkinsville Water Co.		

LOUISVILLE.....Baldwin, R. C.

LOUISIANA

Active 9; Corporate 2; Total 11

ACTIVE

LAKE CHARLES	6 373 3 60 60		Middlemiss, G. A.
NEW ORLEANS	Earl, G. G. Eastwood, J. T. Fowler, E. A. Levy, A. G.	NEW ORLEANS	Porter, J. L. Raymond, A. Shields, F. S.

CORPORATE

BATON ROUGE	Baton Water Co.	Rouge Works	LAKE CHARLES	Lake Charles Railway.
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MAINE

Active 19; Total 19

ACTIVE

AUGUSTA { Getchell, W. B. Manley, S. C.	Harris, C. R. Payson, E. R.
BANGOR	PORTLAND Payson, E. R. West, G. F. West, V. F.
Brunswick Bowker, C. L.	Boutelle, G. K.
FAIRFIELD Connor, V. R. Nye, S. A.	WATERVILLE Fuller, M. S. Hall, A. S.
PORTLAND	Thayer, F. C. Thayer, L. E.

MARYLAND Active 17; Total 17

ACTIVE

	****	A 1 49
	Adams, H. Armstrong, J. W. Clemmitt, R. L. Hall, H. R.	BALTIMORE Seims, V. B. Thomas, J. B. Walden, A. E. Wehr, A. H.
Baltimore	Jones, G. R. Morse, R. B. Powell, S. T. Purcell, S.	CAMBRIDGE
	Onick A M .	

MASSACHUSETTS

Active 43; Associate 6; Total 49

ATTLEBORO			Hale, R. K. Johnson, W. S.
Boston	Barbour, F. A. Brackett, D. Buss, E. A. Foss, W. E. French, E. V. Fuller, F. L. Glover, A. S.	Boston	Killam, S. E.

decommend bishing	
BOSTON Tilden, J. A. Weston, R. S. Wheeler, E. Wheeler, W. Winslow, F. I. Woodburn, W. F. CAMBRIDGE Whipple, G. C. CONCORD Robinson, L. C. DEDHAM Staples, G. T. DORCHESTER McInnes, F. A. EAST MILTON Ware, J. FLORENCE Ryan, W. G. HOLYOKE Gear, P. Tighe, J. L.	LOWELLThomas, R. J. NATICKAdams, A. D. NEW BEDFORD. Coggeshall, R. C. P. NORTH ATTLEBOROPlattner, W. PITTSFIELDFarnham, A. B. READINGBancroft, L. M. SOUTHBRIDGEAbbott, C. H. SPRINGFIELDLochridge, E. E. WELLESLEYHersey, F. C., Jr. WEST SOMERVILLELacount, H. O. Batchelder, G. W. WORCESTER Bonnet, F., Jr. Ives, H. C.
BostonCochrane Chemical Co. FLORENCENorwood Engineering Co. INDIAN ORCHARD, Chapman Valve Mfg. Co.	SOUTH BOSTON Hersey Mfg. Co. WAKEFIELD, Lead Lined Iron Pipe Co. WORCESTER. Union Water Meter Co.
MICH	IGAN
Active 25; Corporate 2	; Associate 1; Total 28
ANN ARBOR Ayres, L. E. Hoad, W. C. Williams, G. S.	GRAND RAPIDS { Fitzpatrick, J. R. Sperry, W. A. HIGHLAND PARK . Patterson, W. G.
CADILLAC. Westover, G. D. (Clancy, L. J. Hubbell, C.	HOLLAND
DETROIT	LUDDINGTON
FLINT { Baldwin, F. N. Buzzell, R. S.	MUNROE Sterling, J. C.
	PRATE
$\begin{array}{ll} \textbf{Grand} & \textbf{Rapids} \dots \\ \textbf{Grand} & \textbf{Board} & \textbf{Option} \\ \textbf{lie Works} \end{array}$	$\mathbf{Saginaw} \left\{ \begin{array}{l} \mathbf{Saginaw} \ \ \mathbf{Water} \ \ \mathbf{Department} \\ \mathbf{ment} \end{array} \right.$
ASSOC	
DetroitStephe	ens Mig. Co., Roe
MINNE Active 21; Honor	
AUSTIN. Todd, W. CHISHOLM. Sullivan, C. J. CROOKSTON. Peterson, E. Gross, G. L. Kelly, E. W. Reed D. A.	MINNEAPOLIS Cappelen, F. W. Colehour, R. A. Jensen, J. A. Jones, W. N. Whittaker, H. A. Young, W. R. St. Cloud
Wilson, J. EVELITHForrestel, F. E.	ST. CLOUD
DULUTH. DULUTH. DULUTH. Solve the content of the	St. Paul

HONORARY

St. Paul....... $\begin{cases} \text{Bement, R. B. C.} \\ \text{Caulfield, J.} \end{cases}$

MISSISSIPPI

Active 6; Total 6

ACTIVE

CANTON	Sharp, J. T., Jr.	JACKSON	Taylor,	R.	M.
HATTIESBURG	Jones, B.	MERIDIAN	. Worrell,	M.	. L.
JACKSON	Fewell, J. H.	YAZOO CITY	Butle	r. J	. S.

MISSOURI

Active 30; Corporate 2: Associate 1; Honorary 1; Total 34

ACTIVE

	Freiling, H. J.		Allison, J. E.
INDEPENDENCE	Gallagher, H. A.		Black, G. G.
JEFFERSON City	. Landmann, L. B.		Bock, F. L.
	Anderson, J. F.		Coult, F. H.
	Bardwell, R. C.		Cutts, F. T.
	Black, E. B.		Duenckel, F. W.
	Bott, W. A.		Fuller, W. A.
KANSAS CITY	Burns, C. S.	St. Louis	Graf, A. V.
	Kiersted, W.		Henby, W. H.
	Klein, W. I.		Hollman, E. F.
	McDonnell, R. E.		Monfort, W. F.
	Mark, E. H.		Phillips, C. F.
	Walsh, P.		Phillips, H.
SEDALIA	Andrews, L. P.		Wall, E. E.
	Pate, R. L.		Wilcox, F. L.

CORPORATE

EXCELSIOR SPRINGS.... Excelsior Springs Water Gas and Electric Co. Kansas City..... Donnelly, John

ASSOCIATE

St. Louis.... Amer. Fdy. & Mfg. Co.

HONORARY

St. Louis.... Holman, M. L.

MONTANA

Active 7; Corporate 1; Total 8

ACTIVE

BILLINGS	GREAT FALLSRohne, P. E. MILES CITYPruett, G. C.
BOZEMAN	MissoulaBrown, G. R.

CORPORATE

Anaconda....Anaconda Copper Mining Co.

NEBRASKA

Active 4; Corporate 1; Total 5

FLORENCE	Jacobson, A.	Омана	Prince, G. T.
Омана	. Collins, G. J. S.	PLATTSMOUTH	Sinclair, H. H.

CORPORATE

OMAHA.....Metropolitan Water District

NEVADA

Active 1; Corporate 1; Total 2

ACTIVE

RENO......Campbell, G. A

CORPORATE

RENO.... Reno Power, Light & Water Co.

NEW HAMPSHIRE

Active 1; Corporate 1; Total 2

ACTIVE

MANCHESTER.....Bartlett, C. H.

CORPORATE

NASHUA....Pennichuck Water Works

NEW JERSEY

Active 60; Corporate 2; Associate 3; Total 65

CTIVE

ACTIVE		
ARLINGTON	NEW BRUNSWICK Whitlock, A. N.	
Decker, J. H.	NEW MILFORD Spalding, G. R.	
ATLANTIC CITY Manz, L. C.	NEWARK Biertuempfel, A. H.	
ATLANTIC CITY Souder, B. F.	Denman, A. R.	
Van Gilder, L.	Halpin, T. F.	
(Proitales C F	Rosenstratter H	
Boonton Britton, G.	NEWARK Sanzenbacher, G.	
BRIDGETON Frederick, W. D.		
BURLINGTONConard, W. R.	Sherrerd, M. R.	
Fisler, A. C.	Van Duyne, J. R.	
	Passaic	
CAMDEN Jones, W. C.	Cook, J. H.	
Long, J. H.	PATERSON Cuddeback, A. W.	
COLLINGSWOODBorden, M. M.	Edwards, W. P.	
EAST ORANGE Hammer, E. W. Reimer, A. A.	PERTH AMBOY Grieve, T.	
Reimer, A. A.	PHILLIPSBURG	
ENGLEWOOD Whitman, A. E.	Andrews, A.	
GLEN RIDGE Brooks, J. E.	PLAINFIELD Downes, J. R.	
HADDONFIELDSmith, E. H.	Wheeler, R. C.	
HOBOKENGanz, A. F.	RAHWAY Kirstein, A. F.	
Booth, L. M.	RIDGEWOOD { Kellogg, R. M. White, W. M.	
Corbin, C. K.	RIDGEWOOD White, W. M.	
Fischer, C. H.	Bassett, C. P.	
JERSEY CITY Henry, E. W.	SUMMIT Green, F.	
LaTourrette, F.	Kimball, F. C.	
McLaughlin, G. E.	TRENTON	
Mallalieu, W. C.	UPPER MONTCLAIRGoodell, J. M.	
MERCHANTVILLERudderow, M. B.	French, D. W.	
MONTCLAIRSnow, A. H.	WEEHAWKEN Miller, E. E.	
MORRISTOWNPitney, F. V.		
	Parker, C. B.	
NEW BRUNSWICK Jones, A. J.	WOODBRIDGEMundy, A	

CORPORATE

EAST ORANGE....Board of Water Commissioners TRENTON.....Trenton Water Works

EAST ORANGE....Anthony P. Smith Mfg. Co. JERSEY CITY....Joseph Dixon Crucible Co. NEW Brunswick, New Brunswick IronWorks

NEW MEXICO Corporate 1; Total 1

CORPORATE

EAST LAS VEGAS.... Agua Pura Co.

NEW YORK

Active 168; Corporate 10; Associate 41; Total 219

	2002		
	Greenalch, W. Hill, W. R. Horton, R. E. Horton, T.	Johnstown Kingston	Hapgood, L. PHodges, EHarrison, J. HGilchrist, C. B.
ALBANY	Schwartz, F. W. Stickney, G. F. Suter, R. Taylor, H. W.		Andrews, R. E. Baker, M. N. Baldwin, H. deF. Barnes, T. H.
ALTMAR	Buckley, T. J.		Blossom, F.
Amsterdam	Dwyer, C.		Bogart, J.
AUBURN	Ackerman J. W.		Bowles, J. T. Brightman, H. I.
BINGHAMTON	Beck, F. E.		Brown, R. H.
	Ahrens A. R. N.		Brush, W. W.
Brooklyn	Hale, F. E.		Buerger, C. B.
	Hayden, J. F.		Bull, I. C.
Brooklyn	Hendrick, W. M.		Buttenheim, H. S.
	Rector, F. L.		Carstein, L. W. F.
	Taber, G. A. Wagner, B. M.		Clowes, J. H. Cole, E. S.
	(Daggett C D		Corbin, H. K.
BUFFALO	Lyon, H. L.		Dennett, R. C.
	Wagner, H. F.	New York	deVarona, I. M.
BUFFALO	Yeager, A. J.	NEW TORK	Donaldson, W.
CEDARHURST			Duggan, T. R.
CHARLOTTE			Dunham, H. F. Ellis, G. R.
DUNKIRK	Peck W O		Everett, C. M.
ELMHURST	Budelman, G. A.		Ferguson, S. F.
ELMIRA	Jones, H. F.		Folwell, A. P.
ENDICOTT			Foster, E. H.
FAR ROCKAWAY	Bettes, C. R.		Fuertes, J. H.
FAR ROCKAWAY	Durland, S. N.		Fuller, G. W. Fuller, W. B.
FREEPORT	Stearns, H. P.		Goodell, J. M.
GLENS FALLS	Smith E. W.		Gould, J. W. DuB.
C	Orr. A.		Gregory, J. H.
GLOVERSVILLE	Vrooman, M.		Griswold, F. M.
HAVERSTRAW	Driscoll, M. A.		Gubelman, F. J.
HEMPSTEAD			Hazen, A.
HERKIMER			Herring, R.
ITHACA	Chamot, E. M.		Hill, N. S., Jr.

	Hoagland, I. G.	New York Winslow, C. E. A.
	Hodgman, B. B.	NEW YORK { Winslow, C. E. A. Yereance, W. B. NIAGARA FALLS { Callahan, W. J. Longley, F. J.
	Hone, F. deP.	NIAGARA FALLS Callahan, W. J.
	Howland, E. R. Hunter, H. G.	NorwichNewton, H. D.
	Hunter, H. G. Irwin, T. E.	OGDENSBURGLord, H. A.
	Jackson, D. D.	RENSSELAER Hinkley, R. L. Bliven, G. H.
	Johnson, G. A.	Bliven, G. H.
	Kienle, J. A.	Chambers, V. J. Cripps, G. E.
	Kilpatrick, J. D. Klingberg, W.	Dewey A H
	Knox, S. K.	ROCHESTER Dewey, A. H. Elwood, F. T.
	Kriegsheim, H.	Fisher, E. A.
	Ledden, E. M.	Hopkins, C. C.
	Lederle, E. J. Longley, F. F.	Kittredge, H. C. Little, B. C.
	McClintock, J. R.	ROME Armstrong. R.
	McKim, R. A.	ROMEArmstrong, R. SCHENECTADYMcWilliams, C. C.
	Machen, H. B.	STAPLETONVolkhardt, W.
New York	Manahan, E. G.	Syracuse Booth, W. M. Hodgkins, H. C.
NEW YORK	Nelson, F. B. Parlin, R. W.	Allen, E. B.
	Potter, A.	Caird, J. M.
	Potts, C.	Caldwell, J. H.
	Provst, A. J., Jr.	Clifton, C. E.
	Purdy, J. H. Rider, J. B.	TROY Diven, J. M.
	Shennerd F W.	Diven, J. M., Jr. Eglof, J. H.
	Smith, J. W.	Knickerbacker, J.
	Smith, J. W. Soper, G. A. Spear, W. E.	Mason, W. P.
	Spear, W. E.	UTICA Larmon, F. P. Reagan, J. F.
	Stevens, H. C. Toal, D. C.	Sherman, R. U.
	Tomlin, Jr., R. K.	Curran, H. C.
	Tribus, L. L.	WATERFORD McCarthy, D. B.
	Tuttle, A. S.	WATERFORD Curran, H. C. McCarthy, D. B. WATERLOO
	Vermeule, C. C. von Recklinghausen, M.	WHITE PLAINS. Styon, W. H. Luce, F. H. Cook, F. S. Fulton, D. F. Peene, E. L.
	Walradt, A. E.	Cook F. S.
	Wegman, E.	YONKERS Fulton, D. F.
	Willet, W.	Peene, E. L.
	Wilson, E. K.	
	CORPO	
AMSTERDAM	City of Amsterdam, Dept. Public Works Auburn Water Dept.	ELMIRA Elmira Water Board New York, Urban Water Supply Co.
AUBURN	Auburn Water Dept.	Owego Water Works Co.
Western New York		Suffern Water
G.	Water Co.	WATERTOWN { Commissioners Watertown Water Works
BUFFALO { Western New York Water Co. Corning Water Works		WATERTOWN Watertown water
ELMHURST.	Citizens Water Supply	(WOLKS
	ASSO	CIATE
BROOKLYN.	Thomson Meter Co.	American Bitumastic
BUFFALO	Buffalo Meter Co. Taylor Co., W. P.	Enamels Co.
DUFFAIO	Taylor Co., W. P.	Anderson & White
ELMIRA	Kennedy Valve Mfg. Co. Wyckoff & Son Co., A.	New York. Arnold, Hoffman & Co., Inc.
NEWBURG.	Coldwell, Wilcox Co.	Central Foundry Co.
NEW YORK	Alberger Pump Co.	East Jersey Pipe Co.

New York	Fox & Co., John Gillespie, T. A. International Steam Pump Co. Kalbfleisch Co., Franklin H. Kellogg & Co., E. H. Kingsley, E. D., Leavitt-Jackson Engineering Co. National Meter Co.	New York	Pitometer Co. Reisert Automatic Water Purifying Co. Sanitation Corporation S. E. T. Valve & Hydrant Co. Texas Co., The United Lead Co. Wallace & Tiernan Co. Van Winkle, W. H.
	National Meter Co. National Water Main Cleaning Co. Neptune Meter Co. New York Continental Jewell Filtration Co. Pacific Flush Tank Co. Permutit Co.	TROY {]	Warren Foundry & Machine Co. Garlock Packing Co. Gould, N. Ludlow Valve Mfg. Co. Ross Valve Mfg. Co. Ross Valve Mfg. Co. Illar & Son Co., Charles Eddy Valve Mfg. Co.

NORTH CAROLINA Active 10; Total 10

ACTIVE

CHARLOTTE { Christie, J. G. C. Vest, W. E.	EAGLE SPRINGS Maurice, G. H. ELIZABETH CITY Lewis, R. E.
	RALEIGH Sewis, R. E. Bain, E. B. Booker, W. H.
DURHAM Michie, J. C. White, G. C.	WINSTON-SALEMLudlow, J. L.

NORTH DAKOTA Active 3; Total 3

ACTIVE

BISMARCK Atkinson, T. R.	FARGO	Anders, F. LaF. Blakemore, R. B.
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OHIO

Active 47; Corporate 1; Associate 15; Total 63

Beardsley, J. C.
Schulz, Č. F. Smith, L. C.
Bair, M. Z. Burgess, P. Dittoe, W. H. Eno, F. H. Foulk, C. W. Hoover, C. P. Kimberly, A. E. McAlpine, A. H. Martin, J. C.

COLUMBUSVan Buskirk, L. H.	LORAIN
DAYTON Barlow, J. E. Grosbernt, F. H.	STEUBENVILLE Sinclair, D. J.
Wight, H. C. DELAWAREWiles, C. W.	Brown, C. S. Champe, G.
HAMILTONMayo, W. B.	Toledo Champe, G. Goodwillie, D. H. Sherman, W. J.
LAKEWOOD Knight, G. W.	XENIACooper, G. F.

CORPORATE

AKRON....Akron City Water Works

ASSOCIATE

	American Valve & Meter Co.		Berkshire Mfg. Co.,
Cincinnati	Bourbon Copper Brass Works Co.		Bowler Foundry Co., The
	Ford, J. T., Asst.	CLEVELAND	Farnan Brass Works Glauber Brass Mfg.
	Jarecki Chemical Co. McFarlan C. E., Pres. McGowan Co., John		Co. Ricksberger Brass Co. United Brass Mfg. Co.
	H.	DAYTON	Platt Iron Works Co.
	Mattice, R. SalesMgr.	Massillon	Massillon Iron & Steel Co., The

OKLAHOMA

Active 1; Total 1

ACTIVE

OKLAHOMA CITY..... Bennett, J. W.

OREGON

Active 3; Total 3

ACTIVE

HILLSBOROGates, H. V.	PORTLAND	Clarke, Foshay	D. D. W. B.
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PENNSYLVANIA

Active 102; Corporate 11; Associate 26; Total 139

ALLENTOWN	CLEARFIELDNewling, J. B.
ALTOONA Campbell, C. B. Gailey, S. A.	COLUMBIA Meyers, A. H. Doylestown Bishop, W.
AMBLER S Devine, W. J. Walker, A. J.	EAST PITTSBURGH Holmes, A. G.
AMBLER Walker, A. J.	EASTONRader, R. P.
ASPINWALL Drake, C. F. BERWICK Hicks, J. S.	ERIE { Dunwoody, J. H. Humphrey, E. W.
Brookville Sayer, F. D.	FLORINNissly, E. L.
BUCKS HILL FALLS, Thompson, C. N.	GERMANTOWN
CARLISLEFaller, C. CHAMBERSBURGMcGrath, F. R.	GREENSBURG { Glueck, F. J. Smith, L. B.

30	AMERICAN WATER	WORKS ASSOCIATION
HARRISBURG HUNTINGTON	Emerson, C. A. Irwin, R. E. Schaup, C. E. Bergan, P. H. Welt, H. K.	PHILADELPHIA Wilke, C. L. H. Wood, W. Yeakel, D. D. Baton, W. U. C.
		Bowen, R.
JOHNSTOWN	Crichton, A. BWatkins, T.	Buka, S. Chester, J. N.
LANCASTER. LANSDOWNE LEWISTOWN MCKEESPORT. MEADVILLE MONESSEN NEW KENSING	Shaw, F. H. Behney, C. C. Cooper, S. W. Trax, E. C. Ellsworth, H. McCabe, H. D.	Chester, J. N. Finley, C. A. Handy, J. O. Hopkins, N. F. Hudson, L. Knowles, M. Leopold, F. B. Mellon, T. A. Scharff, M. R.
Norristown	McClenahan, W. T Jackson, R. A.	Shepherd, A. B.
OIL CITY	Johnson, M. F. Sartlett, N. E.	Taylor, S. A. POTTSVILLEPollard, W. D. (Aherns, H. E.
	Bean, G. L. Birkenbine, C. P. Boardman, W. H. Cheney, G. S. Davis, C. E.	READING Filbert, W. D. Heller, F. P. Keiser, D. H.
	Dunlap, F. C. Durst, J. A. Fuller, A. J.	Leinbach, A. E. Nuebling, E. I. (Cox, H. F. Marple, W. M. Taylor, G. R. (Wilcox, W. A. SHAMOKIN. McWilliams, C. Q.
PHILADELPHIA	Grayson, T. J. Gushee, E. G. Kneen, A. H. Kyle, J. I. Ledoux, J. W. Lightfoot, J. C. MacCallum, A. W. Pugh, M. R. Quinn, M. P. Tarr, H. G. H. Trautwine, J. C., Jr. Van Loan, S. M. West, F. D.	Wilcox, W. A. SHAMOKIN. McWilliams, C. Q. SOUTH BETHLEHEM. Watters, G. I. STATE COLLEGE. Walker, E. D. STEELTON. Litch, M. B. SUNBURY. Rohrbach, W. B. VERONA. Moore, G. H. WASHINGTON. Donnan, A. WILKESBARRE. Lance, O. M. WILKINSBURG. Fox, C. L. Hawley, W. C. WILLIAMSPORT. Bloom, W. H. WILLOW GROVE. Goentner, W. B.
	CORPO	
EASTONSo	Eaglesmere Water Co. uth Easton Water Co. Erie Commissioners	PITTSBURGH { Trafford Water Co. Tri-Cities Water Co. Scranton Gas & Water Co. Steelton Water De partment
MILTON	Water Works Mountain Water Co.	STEELTON. Steelton Water De
MOUNT CARMEL \{ Mount Carmel Water Co. Newport \} Hanover & McSherry		partment (Williamsport Wa
NEWPORT $\left\{ \begin{array}{ll} \mathbf{H} \end{array} \right.$	anover & McSherry Water Co.	WILLIAMSPORT. Williamsport Water Co.
	ASSOC	
BERWICK	nerican Car & Foundry Co. ultiplex Mfg. Co.	LINFIELD Sanitary Co. of America The
EAST PITTSBUR	resser Mig. Co., S. R. GH,	PHILADELPHIA American Pipe & Construction Co., The
	Pittsburgh Meter Co Hays Mfg. Co.	Anchor Packing Co., The

ţ*	Boyd & Bro. Inc., James Electrolytic Purification Co. Enyon Evans Mfg. Co., The	Philadelphia.	Iron Pipe & Foundry Co.
PHILADELPHIA	Harrison Brothers & Co., Inc. Leadite Co., Inc., The Lennig & Co., Charles	Pittsburg	Wood & Co., R. D. Berg, J. D., Vice Prest. Pittsburg Filter Mfg. Co. Pittsburg-DesMoines
	Pennsylvania Salt Mfg. Co. Roberts, Charles V., Prest. Simplex Valve & Meter Co.	WILLIAMSPORT,	Steel Co. Woods, F. F., Sales Mgr. Bausher, Thomas D.

RHODE ISLAND

Active 1; Associate 1; Total 2

ACTIVE

Providence..... Freeman, J. R.

ASSOCIATE

PROVIDENCE.. { Builders' Iron Foundry

SOUTH CAROLINA

Active 5; Corporate 1; Total 6

ACTIVE

CHARLESTON	Worthen, J. M. Parker, F. L.	GREENWOODCothra UnionEasterlin	
COLUMBIA	Wyse, F. C.		67

CORPORATE

CHARLESTON.... Charleston Light and Water Co.

SOUTH DAKOTA Active 1; Total 1

ACTIVE

TENNESSEE

Active 10; Corporate 2; Associate 1; Total 13

ACTIVE

CHATTANOOGA { Lofton, H. M. Mellon, A. F.	Knoxville	
	Nashville	Ahearn, J. T. Elliott, R. Hinds, M. E. Reyer, G.

CORPORATE

COLUMBIA	Columbia Light Co		&	Мемрнів	Memphis ter De	Artesian partment	

CHATTANOOGA....Columbian Iron Works

TEXAS

Active 7; Corporate 2; Honorary 1; Total 10

ACTIVE

Dallas { Moore, L. C. Saville, C.	HOUSTONLayne, M. E. SAN ANTONIOHarding, R. J.
	WACO Martin, A. M. Saxe, Charles W.

CORPORATE

TEMPLE...... Temple Water Works WACO...... Waco Water Works

HONORARY

GALVESTON.......Cameron, W. L.

UTAH

Active 1; Total 1

ACTIVE

SALT LAKE CITY..... Barrett, C. F.

VERMONT

Active 2; Total 2

ACTIVE

BURLINGTON.		C.P.
MANCHESTER	CENTERMarsden,	A. B.

VIRGINIA

Active 11; Corporate 2; Associate 1; Total 14

ACTIVE

CHARLOTTESVILLECarter, C. D. CITY POINTShowell, E. B.	Norfolk	Bliven, C. H. Price, A. E.
DANVILLETalbott, F. LYNCHBURG. Randolph, W. C. N., Jr.	RICHMOND	Bolling, C. E.
NEWPORT NEWS . { Livizey, W. B. Manville, F. D.		Messer, R.

CORPORATE

ALEXANDRIA... Alexandria Water Co. ROANOKE...... Roanoke Water Co.

ASSOCIATE

LYNCHBURG......Glamorgan Pipe & Foundry Co., The

WASHINGTON

Active 8; Corporate 2; Total 10

ACTIVE

	SEATTLE Willard, E. C.
CHELAN	SPOKANE
EVERETT Barnes, D. C.	TACOMA { Everette, W. E. Roberts, W. J.
Hoquiam Heermans, H. C.	Roberts, W. J.

CORPORATE

Anacortes.....Anacortes Water Co. Spokane....Spokane Water Division

WEST VIRGINIA

Active 4; Total 4

ACTIVE

BLUEFIELD	McCarty, W.	CLARKSBURG	Highland, S.	G.
CHARLESTON	Davission, W. C.	MARTINSBURG	Shaffer, G.	H.

WISCONSIN

Active 25; Corporate 1; Associate 2; Total 28

ACTIVE

APPLETON Goodland, J., Jr. ASHLAND	MILWAUKEE Ferebee, J. L. Hatton, T. C. McMillan, T. Sando, W. J.
GREEN BAY	Strothman, L. E. MonroeGettings, M. T.
Madison Bascom, G. R. Hatch, S. R. Mead, D. W. Miller, W. E. Parker, E. E.	RIPON
MILWAUKEE Benzenberg, G. H. Bohmann, H. P.	WEST ALLIS

CORPORATE

LACROSSE....LaCrosse Board of Public Works

ASSOCIATE

 $\begin{array}{ll} \mathbf{Milwaukee}. \ \left\{ \begin{array}{ll} \mathbf{Allis\text{-}Chalmers\ Mfg.\ Co.} \\ \mathbf{Badger\ Meter\ Mfg.\ Co.} \end{array} \right. \end{array}$

WYOMING

Active 3; Total 3

ACTIVE

CHEYENNE		THERMOPOLIS	Chessington, J. B.
ROCK SPRINGS	Bell, D. V.		

CANADA

Active 45; Corporate 8; Total 53

ACT	PIVE
ALBERTA: CALGARY { Fawkes, A. W. E. Sherring, A. E. Owens, R. B. BRITISH COLUMBIA:	ONTARIO: OTTAWA
VANCOUVER	Chipman, W. Dallyn, F. A. Fellows, C. L. Harris, R. C. Hogarth, G. Irving, T. C. Mitchell, C. H. Randall, W. H. Salmond, J. J.
Scott, W. M. NOVA SCOTIA: HALIFAX Campbell, D. McD. YARMOUTH Robertson, G. H. ONTARIO: BERLIN Hymman, H. BRANTFORD Frank, F. W. BROCKVILLE Bryson, G. H. LINDSAY Hammond, W. H. LONDON { Hodkinson, T. Moore, J. M. MERRITON Clark, R. NIAGARA FALLS Collins, A.	Storrie, W. WALKERVILLE
ONTARIO:	RATE
Brantford Water Commissioners Galt Galt Water Commission London London Water Board PETERBOROUGH { PeterboroughWater Commission SAULT STE. MARIE { Tagona Water & Light Co.	St. Thomas { St. Thomas Water Commission Stratford Water Commission Waterloo Water & Light Com'n
FORE	EIGN
Active 37; Corporate 1; Asso	ciate 1; Honorary 1; Total 40
ACT	TIVE
ARGENTINE REPUBLIC: BAHIA BLANCA Anthony, C., Jr. BUENOS AYRES McIntosh, W. W.	CANAL ZONE: CRISTOBAL Bowles, J. T. B. Bunker, G. C. Specific C. H.

ARGENTINE REPUBLIC:	CANAL ZONE:	
BAHIA BLANCA Anthony, C., Jr.		Bowles, J. T. B.
BUENOS AYRESMcIntosh, W. W.	CRISTOBAL	Bunker, G. C.
AUSTRALIA:	CRISTOBAL	Spaulding, C. H.
MELBOURNERitchie, E. G.		Waring F H
Meylon, L.	GATUN	Wells, G. M.
MILDURA { Neylon, L. Partridge, A. F.	CHILL.	
MILLBROOK Bradley, E. J.	SANTIAGO	Neut, G.
NEWCASTLE Ewing, J.	CUBA:	,
PERTH Trethawan, H. C.	1	Case, J. F.
PORT AUGUSTA, Saunders, F. W. T.	HAVANA	Cosculluela, J. A.
ROCKHAMPTONParkinson, H. W.	1	Montoulieu. H. J.
SYDNEYSmith, C. W.	MATANZAS	Heydrich, A.

Cristobal	Bowles, J. T. B. Bunker, G. C. Spaulding, C. H. Waring, F. H.
GATUN CHILI:	
SANTIAGOCUBA:	,
HAVANA	Case, J. F. Cosculluela, J. A.

ENGLAND:	MEXICO:
LONDON { Jarvis, A. C. Coventry, H. G.	GUADALAJARABlake, C. H. M. PHILLIPINE ISLANDS:
ECUADOR: GUAYAQUILHobby, A.	MANILA
HAWAII:	RUSSIA:
HONOLULUMurray, H. E. INDIA:	MoscowSimin, B. N. PetrogradKontkovski, E. B.
CALCUTTA { Cameron, A. P. Lawton, R. W.	ZARSKOE SELOTimonoff, V. E. SCOTLAND:
JAPAN:	ABERDEENMitchell, G.
Tokio Nishioeda, S. YокономаInoue, S.	STRAITS SETTLEMENTS: SINGAPORETomlinson, S.

CORPORATE

AUSTRALIA: Sydney ... Metropolitan Board of Water Supply & Sewage

ASSOCIATE

SCOTLAND: CRAIGWARD, BUSBY....McQuistan, A. N.

HONORARY

JAPAN: Tokio.....Nakajima, Y.

SUMMARY BY STATES

Alabama Arizona Arizona Arkansas California Colorado Connecticut Delaware District of Columbia Florida Georgia Illinois Illinois Illinois Illinois Indiana Is Iowa Kansas Kentucky Louisiana Maine Maryland Massachusetts Michigan Minnesota Mississippi Missouri Missouri Montana Nebraska Nevada New Hampshire New Jersey New Wexico New York North Dakota Ohio Oregon Pennsylvania Indiana	7 1 1 1 1 6 9 9 7 7 0 1 7 7 4 1 8 4 4 4 2 9 2 2 7 7 1 1 1 1 1 1 1 1 1 1 0 2 2 7 10	1 1 1 16 3	1 1 1
Arizona Arkansas California Colorado Connecticut 1 Delaware District of Columbia Florida Georgia Illinois Illinois Indiana Isowa Kansas Kentucky Louisiana Maine Maryland Maryland Michigan Michigan Mississippi Missouri Montana Nebraska Nevada New Hampshire New Jersey New Wexico New York North Carolina Ohio Oregon Pennsylvania Iodor Arenessee Interessee Interessee Interessee Interess Inter	25 57 77 16 16 97 77 77 44 18 44 49 99 77 11 11 11 11 11 11 11 11 10 10 10 10 10	1 1 1 16 3 1 6 1	2
Arizona Arkansas California Colorado Connecticut 1 Delaware District of Columbia Florida Georgia Illinois Illinois Indiana Isowa Kansas Kentucky Louisiana Maine Maryland Maryland Michigan Michigan Mississippi Missouri Montana Nebraska Nevada New Hampshire New Jersey New Wexico New York North Carolina Ohio Oregon Pennsylvania Iodor Arenessee Interessee Interessee Interessee Interess Inter	5 1 1 6 9 7 7 7 7 7 7 7 4 9 9 1 1 8 8 4 4 9 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 16 3 1 6 1	2
Arkansas. 3 California 3 Colorado 1 Connecticut 1 Delaware. 1 District of Columbia. Florida. Georgia 1 Illinois. 11 Indiana 1' Iowa 3 Kansas. 2 Kentucky 2 Louisiana. 4 Maryland 1 Massachusetts 4 Michigan 2 Mississisppi Missouri 3 Montana Nebraska Nevada New Hampshire New Mexico New Mexico New Mexico New York 16 North Carolina 1 North Dakota 4 Ohio 4 Oklahoma 0 Oregon 1 Pennsylvania 10 Rhode Island 10 South Dakota 1 Tennessee	5 7 7 1 4 9 9 7 7 7 4 4 9 9 2 9 9 7 7 3 3 5 5 2 1 6 6 0 2 7 1 1 1 1 1 1 1 0 2 2 7 7 10 10 10 10 10 10 10 10 10 10 10 10 10	1 1 16 3 1 6 1	2
California 3 Colorado 1 Connecticut 1 Delaware 1 District of Columbia Florida Georgia 1 Illinois 11 Indiana 1 Iowa 3 Kansas Kentucky Louisiana 4 Maine 1 Maryland 1 Maryland 1 Missian 2 Mischigan 2 Misnesota 2 Missouri 3 Montana Nebraska Nevada New Hampshire New Hampshire New Mexico New Mexico 16 North Carolina 1 North Dakota 4 Ohio 4 Oklahoma 0 Oregon 2 Pennsylvania 10 Rhode Island 8 South Dakota 1 Tennessee 16 </td <td>7 1 1 6 9 7 7 0 7 7 7 4 4 0 1 8 4 4 4 4 2 9 9 7 7 3 3 5 5 5 7 7 7 8 8 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td> <td>1 1 16 3 1 6 1</td> <td>2</td>	7 1 1 6 9 7 7 0 7 7 7 4 4 0 1 8 4 4 4 4 2 9 9 7 7 3 3 5 5 5 7 7 7 8 8 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 16 3 1 6 1	2
Colorado 1 Connecticut 1 Delaware 1 District of Columbia 1 Florida 1 Georgia 1 Illinois 1 Indiana 1' Iowa 3 Kansas 2 Kentucky 2 Louisiana 1 Maryland 1 Maryland 1 Misassachusetts 4 Michigan 2 Mississippi 3 Mississippi 3 Montana Nebraska Nevada New Hampshire New Wexico 16 New Mexico 16 North Carolina 1 North Dakota 1 Ohio 4 Oklahoma 0 Oregon 2 Pennsylvania 10 Rhode Island 10 South Carolina 10 South Carolina 10	7 1 1 6 9 7 7 0 7 7 7 4 4 0 1 8 4 4 4 4 2 9 9 7 7 3 3 5 5 5 7 7 7 8 8 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 16 3 1 6 1	2
Connecticut. 1 Delaware. District of Columbia. Florida. 1 Georgia. 1 Illinois. 11 Indiana. 1 Iowa. 3 Kansas. 2 Kentucky. 2 Louisiana. 1 Maryland. 1 Massachusetts. 4 Michigan. 2 Mississippi. 3 Mississippi. 3 Montana. Nebraska. Nevada. New Hampshire. New Jersey. 6 New Mexico. 16 North Carolina. 1 North Dakota. 4 Ohio. 4 Oklahoma. 0 Oregon. 2 Pennsylvania. 10 Rhode Island. 8 South Dakota. 1 Tennessee. 1 Texas. 1	1	1 1 16 3 1 6 1	2
Delaware. District of Columbia. Florida. Georgia. Georgia. 11 Illinois. 11 Indiana. 1' Iowa. 3 Kansas. 2 Kentucky. 2 Louisiana. 4 Maine. 1 Maryland. 1 Maryland. 2 Michigan. 2 Mississispin. 3 Mississispi. 3 Montana. Nebraska. Nevada. Newada. New Hampshire. New Hersey. New Mexico. 6 New Mexico. 16 North Carolina. 1 North Dakota. 0 Ohio. 4 Oklahoma. 0 Oregon. 9 Pennsylvania. 10 Rhode Island. 10 South Carolina. 10 South Dakota. 10 Tennessee. 10	6 9 9 7 7 7 4 1 8 8 4 4 9 9 2 2 9 7 7 1 1 1 1 1 1 1 1 0 2 1 7 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1	1 16 3 1 6 1	2
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BACK NUMBERS FOR SALE

There are a limited number of back numbers of the Proceedings of this Association for sale; consecutively from 1902 to date—previous to 1902 only scattering numbers. For numbers to fill out broken sets or misplaced volumes, address:

J. M. DIVEN, Secretary,
47 STATE STREET,
TROY, N. Y.



BADGES

THE AMERICAN WATER WORKS ASSOCIATION

OFFICIAL BADGE

The above cut is a facsimile, exact size, of the official badge or emblem of the Association. It is of gold and blue enamel, made with a pin, but can be made as a button or watch charm.

The price in solid gold is FOUR DOLLARS and they can be procured from the secretary.

A smaller badge of the same design, made as a button, can be made, size about that of the inside circle of the one illustrated above, for about \$2.50, if an order for fifty is received. The smaller badge will be an exact counterpart of the large one in every detail. The order for fifty is necessary to secure the new dies for their manufacture.

For badges address

J. M. DIVEN, Secretary
47 State St., Troy, N. Y.

These badges are not to be confused with the usual convention badge, but are for everyday use.

The A. P. Smith Manufacturing Co. EAST ORANGE, N. J.

MANUFACTURERS OF

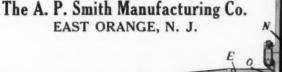
SPECIAL WATER WORKS APPLIANCES

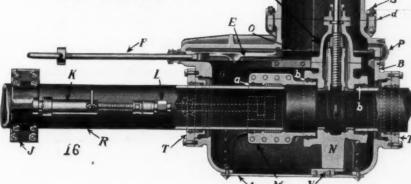
This cut shows Valve Inserting Machine. We have now perfected this very valuable tool so that we can absolutely guarantee that connections from 4 inches to 20 inches, inc., can be inserted in existing straight lines of pipe without shutting off or interfering in any way with the supply. The tools sent with the machine cut the pipe, insert the valve and do the work completely.

The machine is made in three sizes, the No. 1 being used so that 4", 6" and 8" sizes can be inserted, the No. 2 so that 8", 10" and 12" can be inserted and the No. 3 size for use in making 16" and 20" insertions.

Machines have been sold to various large cities throughout the country and we have made numerous insertions throughout the country for various smaller

_Send for circular or other information.





Here is letter from one of the Superintendents who has used the machine:

WOODHAVEN, N. Y., Jan. 5, 1915.

Referring to the four sixteen inch valves your Company inserted for us during the past summer, we cheerfully testify to the practicability and mechanical simplicity of the method you employ.

Water Works men have learned the importance of valves slowly and through costly experience. When our 16 inch main was laid some 24 years ago the value of numerous valves was not so generally appreciated, and it could easily be all shut off anyway as there were very few consumers then. With the development of our business however it became impossible to shut off this whole main without inconvenieng a constantly increasing large number of consumers, and as the need for valves in it increased, the difficulties of inserting them in the old way liberies interested.

The completion of your large Inserting Machine about the time alterations in this main were made necessary by sewer construction work, we regarded as most fortunate, as it enabled us to properly equip the line with more valves without inconveniencing a single consumer, not to mention the fire risk when a very large area is shut off and dramed.

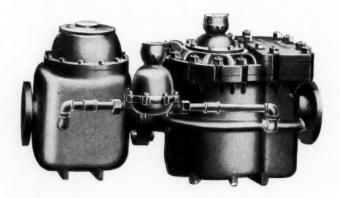
Of course we were familiar with your method of inserting valves in pipe lines without shutting off water, you having inserted a good many six and eight inches for us, but the efficient handling of this larger problem was a source of much gratification to us.

Yours very truly,

WOODHAVEN WATER SUPPLY CO.,

F. H. LUCE, Supt.

Many other letters of the same nature have been received by us.



Nilo Compound Meter

Combining the NILO VELOCITY and KING DISC Meters and an automatic double differential valve having twice the capacity of the inlet pipe.

Compound Valves may be attached to any meter to catch the small flows and increase revenue.

Union Water Meter Co.

INCORPORATED 1868

Worcester, Mass. 37 Hermon Street

CAST

IRON

ALL REGULAR SIZES
3 INCHES TO 84 INCHES

PIPE

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WATER, GAS, SEWERS, DRAINS, ETC.

Railroad and Turnpike Culverts Flange Pipe and Flange Fittings

HEAVY CASTINGS

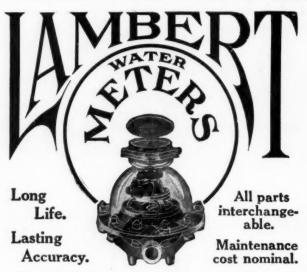
AND THOSE MADE FROM ORIGINAL DESIGNS

United States Cast Iron Pipe and Foundry Company

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Their merits have made meter systems popular. A good article is always worth the price.

All improvements which the tests of time and long service show to be requisite in a Perfect Water Meter, are embodied in the Lambert.

OUR meters have stood the test of time and service, all over this country, during 28 years.

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Reading, Penna., after an ENDURANCE TEST COVERING 21 MONTHS, from December, 1912, to August. 1914, of most makes of water-meters, OFFICIALLY MADE BY THE CITY WATER DEPART-MENT, in which the superiority of the "Lambert" Meter over all others as regards capacity, accuracy, long life and cost of maintenance was established and made manifest, AWARDED THEIR ENTIRE CONTRACTS FOR DISC WATER METERS in 1914 and for 1915 TO THOMSON METER COMPANY.

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Triple Non-Return Valve



Controlling Altitude Valve



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1215 FULTON BLDG.

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AUTOMATIC DOUBLE-CUSHIONED TRIPLE-ACTING NON-RETURN VALVES

(Angle or Globe)

"Works Both Ways;" automatically protects the boilers and steam lines.

They will prevent one boiler working at a lower pressure than another; also should a tube burst, they will instantly shut off the flow of steam from the other boilers into the injured boiler.

The Automatic Safety Stop Feature protects life and property in case a break or rupture occurs in the main steam line or branches. The valves will automatically cut off the flow of steam from the boilers until the break is repaired.

1200 of these were ordered by the U. S. Steel Corp. for the protection of their power plants.

THE CONTROLLING ALTITUDE VALVES

These are intended for automatically maintaining uniform stage of water in tanks, standpipes or reservoirs and do away with the annoyance of floats or fixtures. They are especially adapted for water works and railroads.

These valves can be used with either high or low pressures and may be closed automatically by water, by electricity or by hand.

In addition to the type illustrated we build valves with electrical attachments that can be quickly closed by means of a direct or alternating current. The solenoids are attached directly to the valves and wired up to switch at pumping station or switches at various locations, thus permitting instant operation.

Altitude Valves are made in either the angle or globe pattern.

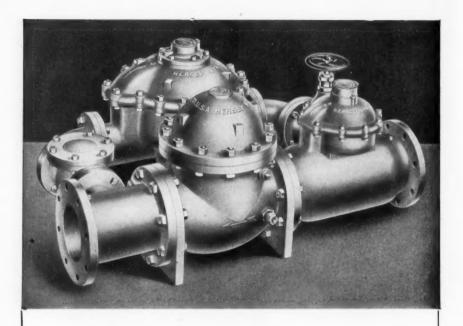


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are instantly adjusted to operate Quickly or Slowly as desired. Indestructible. They are Absolutely the only Satisfactory Float Valve Known for High or Low Pressure.

AUTOMATIC CUSHIONED WATER PRESSURE REGULATING VALVES

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And Guarantee Results



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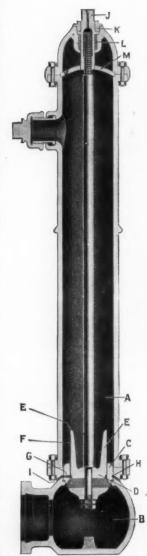
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No. 2 Mueller
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You know what the Mueller Tapping Machine is—All Water men do. It's the one tapping machine you can't pick flaws in. From the time of its invention to the present it has been improved and bettered until every point about the successful tapping of a main under pressure has been covered.

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Get a Mueller machine—it will give you the greatest results. The No. 2 Machine makes taps and inserts corporation cocks $\frac{3}{8}$ to 1 in mains under pressure.

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H. MUELLER MFG. CO.

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VENTURI METER

also received a gold medal at the World's Columbian Exposition at Chicago in 1893, at the Pan American Exposition in Buffalo in 1901, and at the Universal Exposition in St. Louis in 1904, its prestige today becomes doubly significant.

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The illustration shows a Venturi Meter measuring water from the discharge of a centrifugal pump at the Pelton Double Water Wheel Co.'s exhibit at the Panama-Pacific Exposition. Venturi Meters are an unfailing means of maintaining pumps at their initial efficiency.

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Pittsburgh

Chicago



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"A METER FOR EVERY SERVICE"

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Bruce-Macbeth Engine Co., Cleveland Ohio. Gas Engines.
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Foster Engineering Co., Newark, N. J. Valves and Hydrants.
General Electric Co., Schenctady, N. Y. Water Meters.
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Leadite Co., Philadelphia, Pa. Leadite for Jointing Cast from Water Mains.
Ludlow Valve Mig. Co., Toy, N. Y. Valves and Hydrants and Allied Products.
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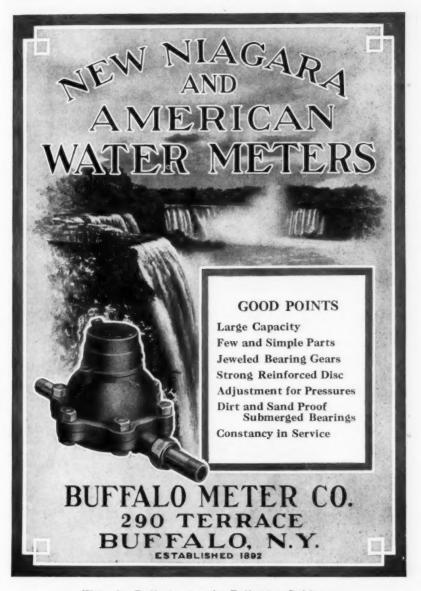
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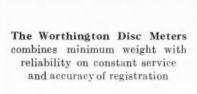
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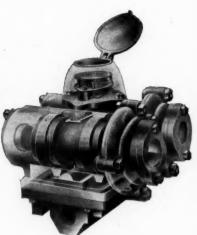
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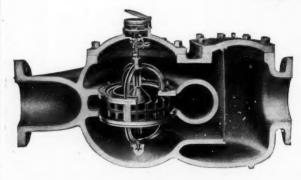
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